SAA/SNZ HB 76:2010



Standards Australia/Standards New Zealand Handbook

Dangerous Goods – Initial Emergency Response Guide

Superseding SNZ HB 76:2008 and SAA HB 76:2004

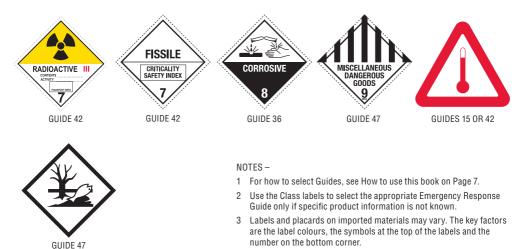
SAA/SNZ HB 76:2010





GUIDE SELECTION FROM DANGEROUS GOODS CLASS LABELS AND PLACARDS





GUIDE SELECTION FROM HSNO/UN GHS PICTOGRAMS

These pictograms are derived from the UN Globally Harmonised System (GHS) of classification and labelling of chemicals. They may be found on packaging of dangerous goods and on products which whilst hazardous may not be classified as dangerous goods under the UNRTDG.



NOTES

Australian/New Zealand Handbook

Dangerous Goods — Initial Emergency Response Guide

Originated as SAA/SNZ HB 76:1997 Second New Zealand edition SNZ HB 76:2003 Second Australian edition SAA HB 76:2004 Third New Zealand edition SNZ HB 76:2008 Second joint Australian/New Zealand edition SAA/SNZ HB 76: 2010

COMMITTEE REPRESENTATION

This handbook was prepared by joint Technical Committee CH-009-01.

The committee consisted of representatives of the following organizations:

Australian Paint Manufacturers' Association Department of Consumer and Employment Protection WA Engineers Australia HazKnow Ltd New Zealand Chemical Industry Council Inc. New Zealand Fire Service New Zealand Transport Agency Noel Arnold and Associates

OUTCOME STATEMENT

Compliance with the procedures contained in this handbook will expedite emergency response in the event of an accident involving dangerous goods and reduce the effect on persons and the environment.

KEEPING STANDARDS UP TO DATE

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

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Alternatively, Standards Australia publishes an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organisation.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown below.

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FOREWORD

This Dangerous Goods – Initial Emergency Response Guide has been developed by Standards Australia and Standards New Zealand. This joint edition is a revision of SAA HB 76:2004 and SNZ HB 76:2008 that were substantially based on the 2004 edition of the Emergency Response Guide (ERG) produced by Transport Canada, U.S.A. Department of Transportation (DOT) and the Secretariat of Transport and Communications of Mexico (SCT). The generous provision by these organisations of their original text on their database available freely on the Internet, and their authorisation to use this material in this joint Australian/New Zealand version is gratefully acknowledged. While the basic structure has been maintained, the original ERG text has, however, been modified in a number of ways to:

- Remove references and terminology which are peculiar to Canada, North and South America;
- (b) Suit Australian and New Zealand conditions;
- (c) Incorporate Guides for vehicle fires and for aerosols; and
- (d) Identify those United Nations (UN) numbers that have become obsolete.

The changes appearing in this revised edition have largely resulted from the newly assigned dangerous goods and UN numbers that appear in the 16th edition of the UN Recommendations on the Transport of Dangerous Goods, and from alterations to the text to reflect the joint status of the handbook.

There have also been some changes of guide numbers for some dangerous goods to more closely reflect the appropriate actions to be taken in an emergency. A new Guide 52 has been added covering desensitised explosives and a number of guides have had additional requirements added.

The purpose of this handbook is to provide immediate general information and advice to persons handling dangerous goods emergencies. While written principally for trained emergency responders, it also contains advice, which anyone first on the scene of an incident should be able to follow.

This handbook is not a substitute for emergency response training, experience and sound judgement, but if used properly, it will expedite emergency response and help prevent an accident from becoming a catastrophe. It should be remembered that each numbered guide in this handbook can represent many individual chemicals or formulated products which share the same basic hazards as indicated at the top of the page. These products may, nonetheless, vary considerably in physical and chemical properties, and in degree of danger. Hence judgement, based on knowledge and experience, must play a key role in the emergency response process. For dealing with larger incidents, and cases where persons have been exposed to dangerous goods, it is strongly recommended that the information in this Guide be supplemented by more detailed information such as found in the relevant Safety Data Sheet, which should be obtained from the manufacturer or agent.

It should also be noted that, for the sake of brevity, the chemical entries, which appear in the lists, are not always identical to the New Zealand Standard, NZS 5433:2007, or the ADG Code; for example, concentration values may not appear in entries in the lists. Also the class, division or subsidiary risk (sub-risk) prescribed in NZS 5433:2007 and the ADG Code may not reflect all of the hazards which should be considered in an emergency.

1. HOW TO USE THIS HANDBOOK

RESIST RUSHING IN!

APPROACH INCIDENT FROM UPWIND.

STAY CLEAR OR ALL SPILLS, VAPOURS, FUMES, SMOKE AND SUSPICIOUS SOURCES

Obtain the United Nations (UN) NUMBER, PROPER SHIPPING NAME or TECHNICAL NAME from any available documents.

Look up the UN NUMBER in the GREEN section, or the PROPER SHIPPING NAME or TECHNICAL NAME in the ORANGE section.

NOTE – These pages include commonly used technical names of chemicals as well as the list of UN proper shipping names.

Read across to the GUIDE NUMBER.

Turn to the GUIDE NUMBER in the YELLOW section.

Read the advice on Hazards, Protective Clothing and Public Safety.

Carry out the recommended Emergency Response actions.

- D Indicates a substance may decompose explosively. The guide number is identified in the list of UN numbers, and the list of proper shipping names and technical names with the letter D.
- P Indicates a substance that may polymerise violently under certain conditions. The guide number is identified in the list of UN numbers, and the list of proper shipping names and technical names with the letter P.
- * Indicates a UN Number that has become obsolete. Obsolete UN numbers are not listed in the alphabetical list of proper shipping names and technical names; however, the numerical list of UN numbers contains both current and obsolete UN numbers.

Identify product and locate appropriate guide(s)

To determine which guide is applicable, either:

- (a) Consult the numerical index UN number (green section) for example UN 1017 Guide 12; or
- (b) Consult the alphabetical index proper shipping name or technical name (orange section) for example CHLORINE Guide 12.

If neither is available, identify the substance class, if possible. Consult front inner cover for reference to the appropriate guide set out in the yellow section

for example Class 3 Guide 18.

NOTE – It is generally more reliable to use the UN number and consult the list of UN numbers (green section) as the product name may be a trade name.

A. If transport or storage documents are available

Dangerous goods transport documents containing the UN number, proper shipping name and other relevant information should be retrieved from:

- (a) The cab of a road vehicle or leading railway locomotive;
- (b) The possession of the master of a vessel or designated crew member;
- (c) The possession of the aircraft pilot;
- (d) The warehouse, terminal, rail yard, harbour master's or air cargo offices; or
- (e) A manifest holder near the site entrance.

Below is an example of a dangerous goods entry on a dangerous goods transport document.

The description of dangerous goods on transport documents should state the UN number, proper shipping name, class (including any subsidiary hazards) and packing group (if applicable), in that order.

Liquid Chemi 123 Through UPTOWN DANGEROU			Delivery to: Sparkling F 1 Main Roa DOWNTOV	ools Id
UN 1230	METHANOL	Class 3, 6.1, PG II	480 L	12 x 40 L Jerricans
UN 1824 SODIUM HYDROXIDE SOLUTION		Class 8, PG II	1200 L	6 x 200 L Drums

B. If transport or storage documents are not available

Obtain UN number or proper shipping name or technical name from alternative sources as follows:

(a) If the load contains only one type of dangerous good, the 4-digit UN number may be included in the class label, or shown adjacent to it, for example



(b) If the goods are in bulk containers, the UN number and proper shipping name should appear on the emergency information panel attached to the vehicle or container, for example



In New Zealand

In Australia



(c) All dangerous goods package labels should include the UN number and proper shipping name near the class label, for example



C. If neither UN number nor proper shipping name is available

The class labels or placards on the vehicle, container or storage facility can be matched with the corresponding label or labels shown inside the front cover of this handbook. The appropriate guide should then be consulted. The recommendations presented may be more general than those provided in the specified guide for the material if known, but should nonetheless suggest satisfactory emergency response advice, if anything erring on the side of safety.

For example



- Where there is only one class label, use the guide shown under that label inside the front cover.
- If there is more than one class label and other information is available to help determine which is the primary hazard and which is the subsidiary hazard, select the guide from table 1.
- If two hazard labels are present and you are unable to determine which is the primary risk, then go to both guides from the inside cover and take a careful approach on the information for both classes.

0				S	ubsidiar	y risk			
Class	1	2.1	3	4.1	4.2	4.3	5.1	6.1	8
1	-	-	-	-	-	-	-	02, 37	02, 36
1.4	-	-	-	-	-	-	-	03, 37	03, 36
2.2	-	-	-	-	-	-	10	-	-
2.3	-	05	-	-	-	-	12	-	07
3	-	-	-	-	-	-	-	16	18
4.1	20, 02	-	-	-	-	-	29	20	36
4.2	-	-	-	-	-	25	23	23	23
4.3	-	-	26	26	26	-	26	26	26
5.1	-	-	-	31	31	28	-	31	31
5.2	33	-	-	-	-	-	-	-	33
6.1	-	-	17	20	23	26	30	-	36
7	42, 02	45, 05	42, 18	42	45	46	44	42	42
8	-	-	18	36	23	26	30	36	-

Table 1 – Guide selection according to class and subsidiary risk

NOTES -

(1) Missing guide numbers indicate impossible class/subsidiary risk combinations.

(2) Missing class numbers indicate classes that do not have any subsidiary risks and missing subsidiary risk numbers indicate classes that cannot be a subsidiary risk.

(3) Where two guide numbers are shown, separated by a comma, refer to both guides.

D. If product cannot be identified by UN number, name or label

See guides in yellow section:

(a) For bulk gas loads see Guides 05 and 12 see Guide 18 (b) For bulk liquid loads (c) For dry bulk loads see Guide 20 (d) For unidentified packages see Guide 01 (e) If vehicle is on fire, but load is not see Guide 00

NOTE - In most cases the product may also be identified by asking the responsible carrier or agency.

For RAIL transport - contact the rail transport operator. Advise rail wagon or container number, or train location, direction facing, and number of wagons from locomotive.

For ROAD transport - obtain contact number from driver or side of vehicle. Advise carrier. location. and truck/driver or container number.

For AIR transport - contact the airline. Advise flight number, aircraft type, and location.

For SEA transport – try freight forwarder, port authority, agent, shipping company, importer or exporter.

For STORAGE - from the site operator or the emergency manifest.

Consult the appropriate guide

The title at the top of each guide identifies the most likely hazards of the dangerous goods covered by that guide.

NOTE – The titles do not necessarily align with the product classification of the UN, IMDG, IATA, ICAO or other relevant Code, Regulation, NZS 5433, New Zealand Dangerous Goods Rule or ADG Code.

Each guide is subdivided into four main sections, covering hazards, protective clothing, public safety, and emergency response. Carefully read each section so that you can determine:

- (a) The dangers that may be present;
- (b) How to protect yourself from exposure;
- (c) How to ensure the safety of the general public; and
- (d) The best way to control the emergency.

The wording has been kept as simple as possible to reduce delays in response. To assist in interpretation and application, a further explanation of each section is given in Section 2.

As only 52 guides have been used to cover emergencies for many thousands of different products, the recommendations are unavoidably more general in nature than if a specific guide were available for each product. However, the information should provide guidance for dealing with smaller incidents and for initial response to larger incidents.

Where more than one type of dangerous goods may be involved in the incident, consult more than one guide (in the yellow section) or obtain detailed product information.

Obtain detailed product-specific information

More product-specific information and detailed advice for dealing with continuing emergencies should be sought as a matter of urgency. This information is usually contained in Safety Data Sheets provided by the product manufacturer or agent. Additional information may be obtained from a number of sources, including chemical databases, as follows:

- (a) For bulk loads, specialist advice and emergency response assistance is required. It is available by phoning the number shown on the emergency information panel, (see pages 8 and 9), which is displayed on each side of the container, tank, or vehicle and on the rear of the road vehicle;
- (b) For all loads, the emergency contact number for the consignor or prime contractor should be clearly printed on the dangerous goods transport documents;
- (c) For most transport, the contact numbers for the road transport company are prominently displayed on the vehicle;
- (d) At storage installations, detailed information, including Safety Data Sheets, should be available from the site operator or the site emergency manifest;
- (e) A list of useful contacts for dealing with dangerous goods emergencies is given at the back of this handbook.

2. UNDERSTANDING GUIDE ENTRIES

Each guide is divided into four main sections. The following may assist in interpreting the information in each section:

Hazards – describes the dangers that the product possesses, including the potential for fire, explosion and adverse health effects. Consult this section first to determine what dangers may be present, to ensure the protection of responders and the surrounding population.

Protective clothing – advises the minimum protection (prudent for emergency services personnel when these products are on fire), for dealing with a significant leak or for handling containers suspected of leaking, particularly in low lying or confined areas. Except where otherwise indicated (for example cryogenic liquids), this level of protection is not normally required for handling obviously undamaged packages.

The PPE most appropriate to each incident is largely dependent on incident type. In many cases if there is a fire, heat exposure will become the primary hazard and therefore firefighter's structural uniform will be the first choice.

Where there is a spill or leak then splash or gas suits would be most appropriate with structural uniform as a less effective option in some cases.

Public safety – recommends initial measures to ensure public safety. The actual measures to be taken should be determined by the agency in charge of the incident, based on the actual situation at hand. Immediate spill or leak isolation distances are proposed. Greater evacuation distances are proposed for large spills and for large containers on fire. These are based on the premise that the load consists of high hazard (that is PG I) goods with the properties indicated.

Evacuation should not be automatic, but should be determined by the emergency service after taking into account all relevant risk factors. Under some circumstances it is more prudent to protect people indoors rather than expose them further to the hazard by evacuating.

Emergency response – outlines the actions to be taken in emergency situations involving fire, spill or leak and first aid to be administered when persons are exposed to the product.

Firefighting

There are a number of different types of extinguisher commercially available for fighting chemical fires. There are four main types of extinguisher: water, foam, dry powder, and carbon dioxide. Dry powder is the most efficient. Carbon dioxide is safest but only works in small spaces. Foam is best on spill fires. Alcohol foam is recommended for water-miscible and polar flammable liquids, which break down other foams. Water is effective on non-chemical combustibles such as wood, paper, and upholstery. Where the specified extinguisher is not available, the use of another may require a greater quantity to put the fire out. If foam is used, be aware that the foam blanket may break down quickly with the threat of re-ignition. The final judgement on the use of any extinguishant rests with the firefighters at the scene.

Spill or leak

The measures outlined should assist with containment and prevention of ignition where a fire hazard exists. Because of environmental concerns, always obtain advice from the product manufacturer and the environmental authority before disposing of any cleaned-up materials.

First aid

Brief instructions are included in each guide. General first aid information is given after the guides, in Sections 13 and 14.

3. MIXED LOADS

When using this handbook at incidents involving a mixed load of dangerous goods, it is important to take all hazards into account when determining the emergency response. This usually means that it is necessary to consult the guides assigned to every item of dangerous goods and apply the most severe instruction, to ensure that the most hazardous possibility is covered.

4. SIX STEPS TO EMERGENCY RESPONSE

The following are recommended steps to deal with a dangerous goods emergency:

Step 1. Raise the alarm

Move upwind and get help. If you are alone, raise the alarm before you take any action. Help will arrive sooner and you will not be on your own, should you get into difficulties.

Step 2. Secure the area

Establish a hazard zone that will keep onlookers, passers-by, and vehicles well out of danger. Determine the best access for emergency services. It may be necessary to patrol the zone to keep others at a safe distance, both for their own safety and to allow emergency personnel to operate without obstruction.

Step 3. Approach with care

Stop and think. Do not rush blindly ahead as this could add your name to the list of casualties. Approach from upwind to keep from coming into contact with vapours. You should also approach from up hill if possible. Keep in mind that many vapours and gases are odourless, colourless and heavier than air and hence may accumulate in low-lying areas, particularly when there is no wind. Do not rely on smell to keep you safe. Avoid puddles, as they may be spilt chemicals.

Step 4. Identify products

Examine the placards and class labels on vehicles, freight containers, packages, and storage facilities to determine the types of hazards posed by the load so that precautions can be taken. Then, examine the available documents to identify the actual products. Always assume that the most hazardous materials in the load or store are involved in the incident until proven otherwise and take precautions to ensure the safety of all involved.

Step 5. Assess the situation

- · Consider each of the following.
- · Is there a fire? Is it safe to use an extinguisher?
- Is there a spill or leak? How large is it?
- · Is containment necessary?

- · What are the weather conditions wind direction, rain?
- · What is the terrain like?
- What is at risk people, property or the environment?
- How significant is the risk based on the situation, the hazards of the products (from classes and subsidiary risks) and their degree of danger (based on packing groups)?
- · Is public protection necessary? Protect in place or evacuate?
- · What resources (human and equipment) are required and readily available?
- · What can be done right away?
- · What activities can be immediately and safely delegated to available persons?
- · Is traffic control required?

Step 6. Respond

Respond in an appropriate manner. Activate formal emergency response plans including the establishment of a command post and lines of communication. Rescue casualties where possible and evacuate if necessary. Maintain control of the site. Continually reassess the situation and modify the response accordingly. The first duty is to ensure the safety of all people in the immediate area including your own. Always seek and utilise expert advice, specialised equipment and technical know-how.

5. POINTS TO CONSIDER IN THE EFFECTIVE MANAGEMENT OF AN EMERGENCY

In order to manage a dangerous goods emergency effectively, many different questions need to be addressed by the first responder. Consider the following when at an accident site involving dangerous goods.

- (a) Identify the products involved from any available documents. If not possible, at least identify the hazards from the vehicle or container placards.
- (b) Minimise exposure to chemicals by working upwind (blowing from you to the incident). If possible also approach from uphill. Wear appropriate protective clothing and avoid inhaling gases, fumes, and smoke.
- (c) Use the information on the physical and chemical properties of the product to judge response and evacuation.
- (d) Many chemicals lack colour or offensive odours. Do not assume that they are harmless.
- (e) Remember that many gases, when cold, are heavier than air.
- (f) Decontaminate equipment, clothing, and personnel on site if it is safe to do so.
- (g) Dispose of contaminated equipment and materials only after receiving specialist advice from the manufacturer or the local authorities.
- (h) Replenish used equipment.
- (i) If human exposure has occurred, obtain medical assistance, ensuring full exposure details are advised.

6. PROTECTING THE PUBLIC FROM DANGEROUS GOODS INCIDENTS

Decisions on protecting the public at dangerous goods incidents should initially be made by the first emergency services officer on the scene. Such decisions should not be deferred to a senior officer, who may not arrive until some time afterwards. Specialist advice should be sought, but a decision must be made at the scene.

The two steps are: 1. **ISOLATION** and 2. **PROTECTIVE ACTION**

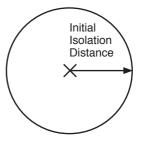
Isolation

Firstly determine which area is immediately affected or at risk, then isolate it, removing all persons, from within the initial isolation zone

A suggested Initial isolation distance is given in each guide under the heading public safety.

In most incidents, once the situation has been assessed and appropriate advice taken, there is no need for further action to protect the public other than establishing this zone.





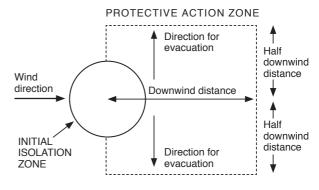
Protective action

Further action may sometimes be necessary to protect the public from risks associated with more severe incidents. These risks may include fire, explosion, smoke, fumes or toxic gases.

Each guide gives distances for different events under the heading Evacuation. These distances must be regarded only as guidelines for initial action as the overall situation must be considered when deciding the extent of protective actions. The distance is used to establish the protective action zone which will look like the diagram to the right.

The square defines the area where action must be taken to protect the public. It is then necessary to determine the most effective strategy to achieve this.

Evacuation is not the only available option and, for the majority of dangerous goods incidents, it may not be the preferred option.



The options are PROTECT IN PLACE and EVACUATE.

Protect in place

In the 'protect in place' strategy, the public in the protective action zone is immediately directed inside a building and advised to remain indoors until the danger passes. Always consider this option because it is simple and easy to implement. It also requires fewer staff than evacuation.

Houses and other enclosed buildings can provide a source of uncontaminated air which may give protection for a considerable time. Some contaminated air will penetrate, but the level of contamination will be significantly less than outside. As poisoning is a factor of both concentration and exposure time, there is normally less risk staving indoors.

'Protect in place' is the preferred option for many fires or spillages since the danger to the public has often reached its maximum before the emergency services arrive. In such cases, attempting an evacuation will unnecessarily increase the public's exposure to smoke or fumes.

Protect in place if:	Do NOT protect in place if:
There is not enough time to evacuate the public before the hazard affects the area.	The fumes or vapours present a risk of explosion.
The incident and hazard are likely to be of short duration (up to an hour or so).	It will take a long time for the fumes to clear the area.
	The building cannot be tightly closed.

Give the following instructions to residents and occupants if you decide to 'protect in place':

- Close all doors and windows, using blinds and curtains if fitted; (a)
- Shut off all ventilating, heating, and cooling systems; (b)
- (C) Stay on the side of the building furthest from the incident;
- (d) Tape or seal the gaps in or around windows, doors and ventilation ducts if the smoke or fumes become uncomfortable.

If there is a continued release of smoke or fumes over a long period, it may be necessary to organise a systematic evacuation through the contaminated atmosphere. The initial 'protect in place' decision will, however, allow time to muster the resources needed for a full systematic evacuation.

After the smoke or fumes have dispersed from the area, the buildings will retain contaminated air. As soon as the area is made safe, advise the sheltering public to move outside and ventilate their buildings.

Evacuate

In an evacuation, the public is moved from a threatened area to a safer place. It is not sufficient to simply move people out of the protective action zone and allow them to congregate at its perimeter. Move them by a specific route to a definite location where they will not need to be moved again if the wind shifts or circumstances change.

To perform an evacuation, there must be enough time for the public to be warned to prepare to leave the area. Generally, if there is enough time, evacuation is likely to be the best protective option. However, evacuation requires time and manpower. It may place those being evacuated at risk and cause them suffering, stress, and dislocation.

Evacuation is the preferred option if:

- (a) There is an immediate threat of fire, explosion or building collapse;
- (b) There is time to evacuate before a threatening toxic gas leak occurs;
- (c) It will take a long time for the fumes to clear from the area; or
- (d) The buildings will not provide sufficient protection to 'protect in place'.

Evacuation should start with the people nearest the incident and those outdoors in direct view of the scene. As additional resources become available, expand the area to be evacuated downwind and crosswind. All movements should be across the prevailing wind by the most direct route.

The following factors will influence the time necessary for a successful evacuation.

- · Size of area to be evacuated
- · Time of day
- · Weather conditions
- · Road network
- · Transport availability
- · Number of people to be moved
- · Level of disruption caused to the community
- · Health and mobility of evacuees
- · Ability to shut down any industrial processes
- · Method by which the public are advised to evacuate

7. DANGEROUS GOODS CLASSIFICATION SYSTEM

The nine classes of dangerous goods, their divisions where applicable and a brief description of their characteristics are given below. These classes are shown on dangerous goods documents, class labels and placards.

Class 1 Explosives

- 1.1 Substances or articles which have a mass explosion hazard
- 1.2 Substances or articles which have a projection hazard but not a mass explosion hazard
- 1.3 Substances or articles which have a fire hazard and either a minor blast hazard or a minor projection hazard, or both, but not a mass explosion hazard
- 1.4 Substances or articles which present no significant hazard; explosion effects are largely confined to the package and no projection or fragments of appreciable size or range are to be expected
- 1.5 Very insensitive substances which have a mass explosion hazard like those substances in 1.1
- 1.6 Extremely insensitive substances which do not have a mass explosion hazard.

Class 2 Gases

- 2.1 Flammable gases
- 2.2 Non-flammable, non-toxic gases
- 2.3 Toxic gases.

Class 3 Flammable liquids

Class 3 includes flammable liquids and liquid desensitised explosives.

The degree of hazard is indicated by the packing group:

Packing group	Flashpoint	Initial boiling point
PG I	-	≤ 35 °C
PG II	< 23 °C	> 35 °C
PG III	≥ 23 °C, ≤ 60 °C	> 35 °C

Class 4 Flammable solids, substances liable to spontaneous combustion and substances which in contact with water emit flammable gases

- 4.1 Flammable solids; self-reactive substances; and solid desensitised explosives.
- 4.2 Substances liable to spontaneous combustion, which either immediately catch fire or self-heat on contact with air.
- 4.3 'Dangerous when wet' substances which, in contact with water or water vapour, emit dangerous quantities of flammable gases.

The degree of hazard is indicated by the packing group, except for self-reactive substances which are classified into seven types A - G according to the degree of danger. Type A is too

dangerous for transport in the packaging in which it was tested and type G is not subject to controls for transport as dangerous goods.

Class 5 Oxidizing substances and organic peroxides

- 5.1 Substances, which although not necessarily combustible, may readily liberate oxygen, or be the cause of oxidation processes and which, as a result, may start a fire in other materials or stimulate the combustion of other materials, and therefore increase the violence of a fire. The degree of hazard is indicated by the packing group.
- 5.2 Organic compounds which are also strong oxidizing agents and may be liable to explosive decomposition. Most burn rapidly, are sensitive to heat, shock, impact or friction and react dangerously with other substances.

Organic peroxides are classified into seven types A – G according to the degree of danger. Type A is too dangerous for transport in the packaging in which it was tested and type G is not subject to controls for transport as dangerous goods.

Class 6 Toxic (poisonous) substances and infectious substances

- 6.1 Substances which are liable to cause death or serious injury to health if swallowed, inhaled or by skin contact (PG I and II); or substances of lesser hazard (PG III) which are harmful to health if swallowed, inhaled or by skin contact. The degree of hazard is indicated by the packing group.
- 6.2 Substances containing organisms that are known or reasonably believed to cause disease in humans or animals.

Class 7 Radioactive material

Radioactive material is any material containing radionuclides where both the activity concentration and the total activity in the consignment exceed the values specified in the United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations. The consignor will have applied the label based on these criteria or in accordance with the requirements of, in New Zealand, the National Radiation Laboratory (NRL) and, in Australia, separate State and territory legislation and the Code of Practice for the Safe Transport of Radioactive Substances.

Class 8 Corrosive substances

Substances which, by chemical action, will cause severe damage in contact with living tissue, or will damage or even destroy other materials, especially metals.

The degree of hazard is indicated by the packing group.

Class 9 Miscellaneous dangerous goods

Substances or articles which present a danger not covered by other classes. Class 9 includes a number of substances and articles which present a relatively low hazard and environmentally hazardous substances that do not meet the criteria for another class.

The degree of hazard is indicated by the packing group.

Desensitised explosive

A desensitised explosive is an explosive substance that has had its explosive properties suppressed by

- · wetting the substance with water or alcohol, or
- · diluting the substance by mixing with another non-explosive substance, or
- · dissolving the substance in water, alcohol or other liquid; and
- packaging the substance in such a way to be excluded from Class 1 by virtue of test results.

Subsidiary risks (Sub-risks; S/R)

Many dangerous goods present more than one hazard. These goods are classified according to their primary hazard, and their additional hazards are called subsidiary risks. A subsidiary risk is identified on transport documentation and by the presence of more than one class or division label. All primary and sub-risk hazards must be considered when determining emergency response.

Packing Group (PG) = Degree of danger

Most dangerous goods of classes 3, 4, 5.1, 6.1, 8 and 9 and divisions 5.1 and 6.1 have been divided into three packing groups indicating the degree of danger presented by the substance. This information is shown on documentation in roman numerals. It is not required to be displayed on packaging and substance labels, but it is permitted and is common practice in New Zealand.

Packing Group I (PGI)	High danger – substances that pose an immediate threat to life, health or property whenever there is a leak, spill or fire, even in very small quantities.
Packing Group II (PGII)	Medium danger – substances that pose a significant threat in a fire or larger spill or leak. Flammable substances of PG II will ignite readily at ambient temperatures.
Packing Group III (PGIII)	Low danger – substances that are similar in hazard to many found in domestic situations. Flammable substances of PG III will usually be difficult to ignite at ambient temperatures. Generally PG III substances pose a significant threat to health or property in open areas only when involved in a large fire or in a major spill or leak.

NOTE – Packing Groups are not assigned to self-reactive substances of Division 4.1 and articles of any class or division.

8. CRIMINAL/TERRORIST USE OF CHEMICAL/BIOLOGICAL AGENTS

The following is intended to supply information to first responders for use in making a preliminary assessment of a situation that they suspect involves criminal/terrorist use of chemical and/or biological (CB) agents. Anyone else discovering a suspicious item should isolate the area and notify the Police. To aid in the assessment, check the list of observable indicators of the use and/or presence of a CB agent.

Differences between a chemical and a biological agent

Chemical and biological agents can be dispersed in the air we breathe, the water we drink, or on surfaces we physically contact. Dispersion methods may be as simple as opening a container, using conventional (garden) spray devices, or as elaborate as detonating an improvised explosive device.

Chemical incidents are characterised by the rapid onset of medical symptoms (minutes to hours) and easily observed signatures (coloured residue, dead foliage, pungent odour, dead insects, fish, and animals).

Biological incidents are characterised by the onset of symptoms in hours to days. Typically, there will be no characteristic signatures because biological agents are usually odourless and colourless. Because of the delayed onset of symptoms in a biological incident, the area affected may be greater due to the movement of infected individuals.

Indicators of a possible chemical incident

Check for:

Dead animals/birds/fish	Not just an occasional road kill, but numerous animals (wild and domestic, small and large), birds, and fish in the same area.
Lack of insect life	If normal insect activity (ground, air, and/or water) is missing, check the ground/water surface/shore line for dead insects. If near water, check for dead fish/aquatic birds.
Unexplained odours	Smells may range from fruity to flowery to sharp/pungent to garlic/horseradish-like to bitter almonds/peach kernels to new mown hay. It is important to note that the particular odour is completely out of character with its surroundings.
Unusual numbers of dying or sick people casualties)	Health problems include nausea, disorientation, difficulty in breathing, convulsions, localised sweating, conjunctivitis (<i>(mass</i> reddening of eyes/nerve agent symptoms), erythema (reddening of skin/vesicant symptoms) and death.
Pattern of casualties	Casualties will likely be distributed downwind, or if indoors, in areas fed by a contaminated air ventilation system.
Blisters/rashes	Numerous individuals experiencing unexplained water-like blisters, weals (like bee stings), and/or rashes.

Illness in confined area	Different casualty rates for people working indoors versus outdoors dependent on where the agent was released.
Unusual liquid droplets	Numerous surfaces exhibit oily droplets/film; numerous water surfaces have an oily film. (No recent rain.)
Different looking areas	Not just a patch of dead weeds, but trees, shrubs, bushes, food crops, and/or lawns that are dead, discoloured, or withered. (No current drought.)
Low-lying clouds	Low-lying cloud/fog-like condition that is not consistent with its surroundings.
Unusual metal debris	Unexplained bomb/munitions-like material, especially if it contains a liquid.

Indicators of a possible biological incident

Unusual numbers of sick or dying people or animals – Any number of symptoms may occur. Casualties may occur hours to days after an incident has occurred. The time required before symptoms are observed depends on the agent used.

Unscheduled and unusual spray being disseminated – Especially if outdoors during periods of darkness.

Abandoned spray devices – Devices may not have distinct odours.

Personal safety conditions

When approaching a scene that may involve CB agents, the most critical consideration is the safety of oneself and other responders. Protective clothing and respiratory protection of appropriate level of safety must be used. Be aware that the presence and identification of CB agents may not be verifiable, especially in the case of biological agents. The following actions/measures to be considered are applicable to either a chemical or biological incident. The guidance is general in nature, not all encompassing, and its applicability should be evaluated on a case-by-case basis.

Approach and response strategies

Protect yourself and use a safe approach (minimise any exposure time, maximise the distance between you and the item that is likely to harm you, use cover as protection and wear appropriate personal protective equipment and respiratory protection). Identify and estimate the hazard by using indicators as provided above. Isolate the area and secure the scene; potentially contaminated people should be isolated and decontaminated as soon as possible. In the event of a chemical incident, the fading of chemical odours is not necessarily an indication of reduced vapour concentrations. Some chemicals deaden the senses giving the false perception that the chemical is no longer present.

Decontamination measures

Emergency responders should follow standard decontamination procedures (flush-stripflush). Mass casualty decontamination should begin as soon as possible by stripping (all clothing) and flushing (soap and water). If biological agents are involved or suspected, wash with copious water and soap, using a cloth or sponge. If chemical agents are suspected, the most important and effective decontamination will be that undertaken within the first one or two minutes. It is preferable to decontaminate using a 0.5% hypochlorite solution (this can be made from 1 part household bleach mixed with 9 parts water). If biological agents are suspected, the decontamination solution should have a contact time of 10 to 15 minutes before rinsing. The solution can be used on soft tissue wounds, but must not be used in eyes or open wounds of the abdomen, chest, brain, or spine. For further information contact the agencies listed in this handbook.

NOTE – This information was developed by the Department of National Defence (Canada), and the U.S.A. Department of the Army, Edgewood Arsenal.

9. CLEAR COMMUNICATION

It is absolutely vital that the communication of incident details is accurate. The names of a number of chemicals can vary by only one or two letters, and they may sound similar, but their hazards may be widely different. To avoid confusion, the key item for transmitting chemical details should always be the UN number, which should be available from the documents. All information available should be transmitted. Whenever it is necessary to transmit names, it is strongly advised that the phonetic alphabet is used to avoid errors and to ensure accurate spelling of product names.

PHONETIC ALPHABET

А	Alpha	Н	Hotel	0	Oscar	V	Victor
В	Bravo	I	India	Ρ	Papa	W	Whisky
С	Charlie	J	Juliet	Q	Quebec	Х	X-ray
D	Delta	К	Kilo	R	Romeo	Y	Yankee
Е	Echo	L	Lima	S	Sierra	Ζ	Zulu
F	Foxtrot	М	Mike	Т	Tango		
G	Golf	Ν	November	U	Uniform		

Example - Chemical name NITRIC ACID would be spelled out as:

- N November A Alpha
- I India C Charlie
- T Tango I India
- R Romeo D Delta
- I India
- C Charlie

10. NOTES TO THE LISTS

The numerical list gives the UN number, guide number, and proper shipping name of the dangerous goods.

The alphabetical list gives the proper shipping name, guide number, and UN number of the dangerous goods. When determining the alphabetical order of entries, numbers, Greek letters, and abbreviations (such as 'sec-', 'tert-', 'n', 'o', 'p', and 'N.O.S.') have been disregarded even when they form part of the proper shipping name.

The name of a substance in block capital letters indicates a proper shipping name, an alternative proper shipping name, or part of a proper shipping name. An entry in lower case letters indicates that the entry is not a proper shipping name but is a synonym. Where an entry is partly in upper case letters and partly in lower case letters, the lower case part is not considered part of the proper shipping name.

NOTES

NOTES

11. LIST OF U.N. NUMBERS

0001*

28

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- * denotes a substance or article that has been deleted from the UN list of Proper Shipping Names. Obsolete numbers are included in the list of UN Numbers to provide emergency information should they be encountered in an emergency.
- D Indicates that the substance may decompose explosively.
- P Indicates that the substance may polymerise violently. This polymerisation can produce heat and pressure build-up in containers and may cause them to explode.
- † denotes a UN number that is not in the latest edition of the ADG Code but has been added by the latest revised edition of the UN Model Regulations. Use of this number on labels and transport documentation may not comply with Australian law unless authorised by the competent authority.

0001	02	ALANIM DE VICES, ACTOMATIC (ACTO ALANIMO)
0004	02	AMMONIUM PICRATE
0005	02	CARTRIDGES FOR WEAPONS
0006	02	CARTRIDGES FOR WEAPONS
0007	02	CARTRIDGES FOR WEAPONS
0009	02	AMMUNITION, INCENDIARY
0010	02	AMMUNITION, INCENDIARY
0012	03	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS
0014	03	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK
0015	02	AMMUNITION, SMOKE
0016	02	AMMUNITION, SMOKE
0018	02	AMMUNITION, TEAR-PRODUCING
0019	02	AMMUNITION, TEAR-PRODUCING
0020	02	AMMUNITION, TOXIC
0021	02	AMMUNITION, TOXIC
0027	02	BLACK POWDER (GUNPOWDER)
0028	02	BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER
		(GUNPOWDER), IN PELLETS
0029	02	DETONATORS, NON-ELECTRIC
0030	02	DETONATORS, ELECTRIC
0033	02	BOMBS
0034	02	BOMBS
0035	02	BOMBS
0037	02	BOMBS, PHOTO-FLASH
0038	02	BOMBS, PHOTO-FLASH
0039		BOMBS, PHOTO-FLASH
0042	02	BOOSTERS
0043	02	BURSTERS
0044		PRIMERS, CAP TYPE
0048		CHARGES, DEMOLITION
0049		CARTRIDGES, FLASH
0050	02	CARTRIDGES, FLASH

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0054	02	CARTRIDGES, SIGNAL
0055	03	CASES, CARTRIDGE, EMPTY, WITH PRIMER
0056	02	CHARGES, DEPTH
0059	02	CHARGES, SHAPED
0060	02	CHARGES, SUPPLEMENTARY, EXPLOSIVE
0065	02	CORD, DETONATING
0066	03	CORD, IGNITER
0070	03	CUTTERS, CABLE, EXPLOSIVE
0072	02	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED
0073	02	DETONATORS FOR AMMUNITION
0074	02	DIAZODINITROPHENOL, WETTED
0075	02	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED
0076	02	DINITROPHENOL
0077	02	DINITROPHENOLATES
0078	02	DINITRORESORCINOL
0079	02	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)
0081	02	EXPLOSIVE, BLASTING, TYPE A
0082	02	EXPLOSIVE, BLASTING, TYPE B
0083	02	EXPLOSIVE, BLASTING, TYPE C
0084	02	EXPLOSIVE, BLASTING, TYPE D
0092	02	FLARES, SURFACE
0093	02	FLARES, AERIAL
0094	02	FLASH POWDER
0096*	02	PHOTO-FLASH POWDER
0099	02	FRACTURING DEVICES, EXPLOSIVE
0101	02	FUSE, NON-DETONATING
0102	02	CORD (FUSE), DETONATING
0103	03	FUSE, IGNITER
0104	03	CORD (FUSE), DETONATING, MILD EFFECT
0105	03	FUSE, SAFETY
0106	02	FUZES, DETONATING
0107	02	FUZES, DETONATING
0110	03	GRENADES, PRACTICE
0113	02	GUANYL NITROSAMINOGUANYLIDENE HYDRAZINE, WETTED
0114	02	GUANYL NITROSAMINOGUANYLTETRAZENE (TETRAZENE), WETTED
0118	02	HEXOLITE (HEXOTOL)
0121	02	IGNITERS
0124	02	JET PERFORATING GUNS, CHARGED
0129	02	LEAD AZIDE, WETTED
0130	02	LEAD STYPHNATE (LEAD TRINITRORESORCINATE), WETTED
0131	03	LIGHTERS, FUSE

UN GUIDE PROPER SHIPPING NAME	UN G	UIDE	PROPER	SHIPPING	NAME
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0132	02	DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.
0133	02	MANNITOL HEXANITRATE (NITROMANNITE), WETTED
0135	02	MERCURY FULMINATE, WETTED
0136	02	MINES
0137	02	MINES
0138	02	MINES
0143	02	NITROGLYCERIN, DESENSITIZED
0144	02	NITROGLYCERIN SOLUTION IN ALCOHOL
0146	02	NITROSTARCH
0147	02	NITRO UREA
0150	02	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED or PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED
0151	02	PENTOLITE
0153	02	TRINITROANILINE (PICRAMIDE)
0154	02	TRINITROPHENOL (PICRIC ACID)
0155	02	TRINITROCHLOROBENZENE (PICRYL CHLORIDE)
0158*	02	POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES
0159	02	POWDER CAKE (POWDER PASTE), WETTED
0160	02	POWDER, SMOKELESS
0161	02	POWDER, SMOKELESS
0167	02	PROJECTILES
0168	02	PROJECTILES
0169	02	PROJECTILES
0171	02	AMMUNITION, ILLUMINATING
0173	03	RELEASE DEVICES, EXPLOSIVE
0174	03	RIVETS, EXPLOSIVE
0180	02	ROCKETS
0181	02	ROCKETS
0182	02	ROCKETS
0183	02	ROCKETS
0186	02	ROCKET MOTORS
0190	02	SAMPLES, EXPLOSIVE
0191	03	SIGNAL DEVICES, HAND
0192	02	SIGNALS, RAILWAY TRACK, EXPLOSIVE
0193	03	SIGNALS, RAILWAY TRACK, EXPLOSIVE
0194	02	SIGNALS, DISTRESS
0195	02	SIGNALS, DISTRESS
0196	02	SIGNALS, SMOKE
0197	03	SIGNALS, SMOKE

UN	GUIDE	PROPER SHIPPING NAME
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0204	02	SOUNDING DEVICES, EXPLOSIVE
0206*	03	SQUIBS
0207	02	TETRANITROANILINE
0208	02	TRINITROPHENYLMETHYLNITRAMINE (TETRYL)
0209	02	TRINITROTOLUENE (TNT)
0212	02	TRACERS FOR AMMUNITION
0213	02	TRINITROANISOLE
0214	02	TRINITROBENZENE
0215	02	TRINITROBENZOIC ACID
0216	02	TRINITRO-m-CRESOL
0217	02	TRINITRONAPHTHALENE
0218	02	TRINITROPHENETOLE
0219	02	TRINITRORESORCINOL (STYPHNIC ACID)
0220	02	UREA NITRATE
0221	02	WARHEADS, TORPEDO
0222	02	AMMONIUM NITRATE
0223*	02	AMMONIUM NITRATE FERTILIZER
0224	02	BARIUM AZIDE
0225	02	BOOSTERS WITH DETONATOR
0226	02	CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), WETTED
0234	02	SODIUM DINITRO-0-CRESOLATE
0235	02	SODIUM PICRAMATE
0236	02	ZIRCONIUM PICRAMATE
0237	03	CHARGES, SHAPED, FLEXIBLE, LINEAR
0238	02	ROCKETS, LINE-THROWING
0240	02	ROCKETS, LINE-THROWING
0241	02	EXPLOSIVE, BLASTING, TYPE E
0242	02	CHARGES, PROPELLING, FOR CANNON
0243	02	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS
0244	02	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS
0245	02	AMMUNITION, SMOKE, WHITE PHOSPHORUS
0246	02	AMMUNITION, SMOKE, WHITE PHOSPHORUS
0247	02	AMMUNITION, INCENDIARY
0248	02	CONTRIVANCES, WATER-ACTIVATED
0249	02	CONTRIVANCES, WATER-ACTIVATED
0250	02	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS
0254	02	AMMUNITION, ILLUMINATING
0255	03	DETONATORS, ELECTRIC
0257	03	FUZES, DETONATING
0266	02	OCTOLITE (OCTOL)
0267	03	DETONATORS, NON-ELECTRIC

0268	02	BOOSTERS WITH DETONATOR
0271	02	CHARGES, PROPELLING
0272	02	CHARGES, PROPELLING
0273*	02	CHARGES, PROPELLING, FOR ROCKET MOTORS
0274*	02	CHARGES, PROPELLING, FOR ROCKET MOTORS
0275	02	CARTRIDGES, POWER DEVICE
0276	03	CARTRIDGES, POWER DEVICE
0277	02	CARTRIDGES, OIL WELL
0278	03	CARTRIDGES, OIL WELL
0279	02	CHARGES, PROPELLING, FOR CANNON
0280	02	ROCKET MOTORS
0281	02	ROCKET MOTORS
0282	02	NITROGUANIDINE (PICRITE)
0283	02	BOOSTERS
0284	02	GRENADES
0285	02	GRENADES
0286	02	WARHEADS, ROCKET
0287	02	WARHEADS, ROCKET
0288	02	CHARGES, SHAPED, FLEXIBLE, LINEAR
0289	03	CORD, DETONATING
0290	02	CORD (FUSE), DETONATING
0291	02	BOMBS
0292	02	GRENADES
0293	02	GRENADES
0294	02	MINES
0295	02	ROCKETS
0296	02	SOUNDING DEVICES, EXPLOSIVE
0297	03	AMMUNITION, ILLUMINATING
0299	02	BOMBS, PHOTO-FLASH
0300	03	AMMUNITION, INCENDIARY
0301	03	AMMUNITION, TEAR-PRODUCING
0303	03	AMMUNITION, SMOKE
0305	02	FLASH POWDER
0306	03	TRACERS FOR AMMUNITION
0312	03	CARTRIDGES, SIGNAL
0313	02	SIGNALS, SMOKE
0314	02	IGNITERS
0315	02	IGNITERS
0316	02	FUZES, IGNITING
0317	03	FUZES, IGNITING
0318	02	GRENADES, PRACTICE

UN	GUIDE	PROPER SHIPPING NAME
0319	02	PRIMERS, TUBULAR
0320	03	PRIMERS, TUBULAR
0321	02	CARTRIDGES FOR WEAPONS
0322	02	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS
0323	03	CARTRIDGES, POWER DEVICE
0324	02	PROJECTILES
0325	03	IGNITERS
0326	02	CARTRIDGES FOR WEAPONS, BLANK
0327	02	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK
0328	02	CARTRIDGES FOR WEAPONS, INERT PROJECTILE
0329	02	TORPEDOES
0330	02	TORPEDOES
0331	02	EXPLOSIVE, BLASTING, TYPE B, AGENT, BLASTING, TYPE B
0332	02	EXPLOSIVE, BLASTING, TYPE E, AGENT, BLASTING, TYPE E
0333	02	FIREWORKS
0334	02	FIREWORKS
0335	02	FIREWORKS
0336	03	FIREWORKS
0337	03	FIREWORKS
0338	03	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK
0339	03	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS
0340	02	NITROCELLULOSE
0341	02	NITROCELLULOSE
0342	02	NITROCELLULOSE, WETTED
0343	02	NITROCELLULOSE, PLASTICIZED
0344	03	PROJECTILES
0345	03	PROJECTILES
0346	02	PROJECTILES
0347	03	PROJECTILES
0348	03	CARTRIDGES FOR WEAPONS
0349	03	ARTICLES, EXPLOSIVE, N.O.S.
0350	03	ARTICLES, EXPLOSIVE, N.O.S.
0351	03	ARTICLES, EXPLOSIVE, N.O.S.
0352	03	ARTICLES, EXPLOSIVE, N.O.S.
0353	03	ARTICLES, EXPLOSIVE, N.O.S.
0354	02	ARTICLES, EXPLOSIVE, N.O.S.
0355	02	ARTICLES, EXPLOSIVE, N.O.S.
0356	02	ARTICLES, EXPLOSIVE, N.O.S.
0357	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0358	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0359	02	SUBSTANCES, EXPLOSIVE, N.O.S.

0360	02	DETONATOR ASSEMBLIES, NON-ELECTRIC
0361	03	DETONATOR ASSEMBLIES, NON-ELECTRIC
0362	03	AMMUNITION, PRACTICE
0363	03	AMMUNITION, PROOF
0364	02	DETONATORS FOR AMMUNITION
0365	03	DETONATORS FOR AMMUNITION
0366	03	DETONATORS FOR AMMUNITION
0367	03	FUZES, DETONATING
0368	03	FUZES, IGNITING
0369	02	WARHEADS, ROCKET
0370	03	WARHEADS, ROCKET
0371	03	WARHEADS, ROCKET
0372	02	GRENADES, PRACTICE
0373	03	SIGNAL DEVICES, HAND
0374	02	SOUNDING DEVICES, EXPLOSIVE
0375	02	SOUNDING DEVICES, EXPLOSIVE
0376	03	PRIMERS, TUBULAR
0377	02	PRIMERS, CAP TYPE
0378	03	PRIMERS, CAP TYPE
0379	03	CASES, CARTRIDGE, EMPTY, WITH PRIMER
0380	02	ARTICLES, PYROPHORIC
0381	02	CARTRIDGES, POWER DEVICE
0382	02	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
0383	03	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
0384	03	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
0385	02	5-NITROBENZOTRIAZOL
0386	02	TRINITROBENZENESULPHONIC ACID
0387	02	TRINITROFLUORENONE
0388	02	TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or
		TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE
0389	02	TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND
		HEXANITROSTILBENE
0390	02	TRITONAL
0391	02	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND
		CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN) MIXTURE,
		WETTED OF CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN;
		RDX) AND CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN) MIXTURE. DESENSITIZED
0392	02	HEXANITROSTILBENE
0392	02	HEXANITROSTIEBENE
0393	02	TRINITRORESORCINOL (STYPHNIC ACID), WETTED
0394	02	ROCKET MOTORS, LIQUID FUELLED
0000	02	

UN	GUIDE	PROPER SHIPPING NAME
0396	02	ROCKET MOTORS, LIQUID FUELLED
0397	02	ROCKETS, LIQUID FUELLED
0398	02	ROCKETS, LIQUID FUELLED
0399	02	BOMBS WITH FLAMMABLE LIQUID
0400	02	BOMBS WITH FLAMMABLE LIQUID
0401	02	DIPICRYL SULPHIDE
0402	02	AMMONIUM PERCHLORATE
0403	03	FLARES, AERIAL
0404	03	FLARES, AERIAL
0405	03	CARTRIDGES, SIGNAL
0406	02	DINITROSOBENZENE
0407	03	TETRAZOL-1-ACETIC ACID
0408	02	FUZES, DETONATING
0409	02	FUZES, DETONATING
0410	03	FUZES, DETONATING
0411	02	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN)
0412	03	CARTRIDGES FOR WEAPONS
0413	02	CARTRIDGES FOR WEAPONS, BLANK
0414	02	CHARGES, PROPELLING, FOR CANNON
0415	02	CHARGES, PROPELLING
0416*	02	CHARGES, PROPELLING, FOR ROCKET MOTORS
0417	02	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS
0418	02	FLARES, SURFACE
0419	02	FLARES, SURFACE
0420	02	FLARES, AERIAL
0421	02	FLARES, AERIAL
0422*	03	SQUIBS
0423*	03	SQUIBS
0424	02	PROJECTILES
0425	03	PROJECTILES
0426	02	PROJECTILES
0427	03	PROJECTILES
0428	02	ARTICLES, PYROTECHNIC
0429	02	ARTICLES, PYROTECHNIC
0430	02	ARTICLES, PYROTECHNIC
0431	03	ARTICLES, PYROTECHNIC
0432	03	ARTICLES, PYROTECHNIC
0433	02	POWDER CAKE (POWDER PASTE), WETTED
0434	02	PROJECTILES
0435	03	PROJECTILES
0436	02	ROCKETS

0437	02	ROCKETS
0438	03	ROCKETS
0439	02	CHARGES, SHAPED
0440	03	CHARGES, SHAPED
0441	03	CHARGES, SHAPED
0442	02	CHARGES, EXPLOSIVE, COMMERCIAL
0443	02	CHARGES, EXPLOSIVE, COMMERCIAL
0444	03	CHARGES, EXPLOSIVE, COMMERCIAL
0445	03	CHARGES, EXPLOSIVE, COMMERCIAL
0446	03	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER
0447	02	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER
0448	03	5-MERCAPTOTETRAZOL-1-ACETIC ACID
0449	02	TORPEDOES, LIQUID FUELLED
0450	02	TORPEDOES, LIQUID FUELLED
0451	02	TORPEDOES
0452	03	GRENADES, PRACTICE
0453	03	ROCKETS, LINE-THROWING
0454	03	IGNITERS
0455	03	DETONATORS, NON-ELECTRIC
0456	03	DETONATORS, ELECTRIC
0457	02	CHARGES, BURSTING, PLASTICS BONDED
0458	02	CHARGES, BURSTING, PLASTICS BONDED
0459	03	CHARGES, BURSTING, PLASTICS BONDED
0460	03	CHARGES, BURSTING, PLASTICS BONDED
0461	02	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
0462	02	ARTICLES, EXPLOSIVE, N.O.S.
0463	02	ARTICLES, EXPLOSIVE, N.O.S.
0464	02	ARTICLES, EXPLOSIVE, N.O.S.
0465	02	ARTICLES, EXPLOSIVE, N.O.S.
0466	02	ARTICLES, EXPLOSIVE, N.O.S.
0467	02	ARTICLES, EXPLOSIVE, N.O.S.
0468	02	ARTICLES, EXPLOSIVE, N.O.S.
0469	02	ARTICLES, EXPLOSIVE, N.O.S.
0470	02	ARTICLES, EXPLOSIVE, N.O.S.
0471	03	ARTICLES, EXPLOSIVE, N.O.S.
0472	03	ARTICLES, EXPLOSIVE, N.O.S.
0473	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0474	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0475	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0476	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0477	02	SUBSTANCES, EXPLOSIVE, N.O.S.

UN	GUIDE	PROPER SHIPPING NAME
0478	02	SUBSTANCES, EXPLOSIVE, N.O.S.
0479	03	SUBSTANCES, EXPLOSIVE, N.O.S.
0480	03	SUBSTANCES, EXPLOSIVE, N.O.S.
0481	03	SUBSTANCES, EXPLOSIVE, N.O.S.
0482	02	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI), N.O.S.
0483	02	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED
0484	02	CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), DESENSITIZED
0485	03	SUBSTANCES, EXPLOSIVE, N.O.S.
0486	02	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI)
0487	02	SIGNALS, SMOKE
0488	02	AMMUNITION, PRACTICE
0489	02	DINITROGLYCOLURIL (DINGU)
0490	02	NITROTRIAZOLONE (NTO)
0491	03	CHARGES, PROPELLING
0492	02	SIGNALS, RAILWAY TRACK, EXPLOSIVE
0493	03	SIGNALS, RAILWAY TRACK, EXPLOSIVE
0494	03	JET PERFORATING GUNS, CHARGED
0495	02	PROPELLANT, LIQUID
0496	02	OCTONAL
0497	02	PROPELLANT, LIQUID
0498	02	PROPELLANT, SOLID
0499	02	PROPELLANT, SOLID
0500	03	DETONATOR ASSEMBLIES, NON-ELECTRIC
0501	02	PROPELLANT, SOLID
0502	02	ROCKETS
0503	03	AIR-BAG INFLATORS, or AIR-BAG MODULES, or SEAT-BELT PRETENSIONERS
0504	02	1H-TETRAZOLE
0505	03	SIGNALS, DISTRESS
0506	03	SIGNALS, DISTRESS
0507	03	SIGNALS, SMOKE
0508	02	1-HYDROXYBENZOTRIAZOLE, ANHYDROUS
0509	03	POWDER, SMOKELESS
1001	04DP	ACETYLENE, DISSOLVED
1002	10	AIR, COMPRESSED
1003	10	AIR, REFRIGERATED LIQUID
1005	05	AMMONIA, ANHYDROUS
1006	08	ARGON, COMPRESSED
1008	07	BORON TRIFLUORIDE
1009	08	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)
1010	04P	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE,

		STABILIZED
1011	04	BUTANE
1012	04	BUTYLENE
1013	09	CARBON DIOXIDE
1014*	10	CARBON DIOXIDE AND OXYGEN MIXTURE, COMPRESSED
1015*	06	CARBON DIOXIDE AND NITROUS OXIDE MIXTURE
1016	05	CARBON MONOXIDE, COMPRESSED
1017	12	CHLORINE
1018	06	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)
1020	06	CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)
1021	06	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)
1022	06	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)
1023	05	COAL GAS, COMPRESSED
1026	05	CYANOGEN
1027	04	CYCLOPROPANE
1028	06	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)
1029	06	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)
1030	04	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
1031*	04	DIFLUOROMONOCHLOROETHANE (REFRIGERANT GAS R 142)
1032	05	DIMETHYLAMINE, ANHYDROUS
1033	04D	DIMETHYL ETHER
1035	04	ETHANE
1036	05	ETHYLAMINE
1037	04	ETHYL CHLORIDE
1038	04	ETHYLENE, REFRIGERATED LIQUID
1039	04	ETHYL METHYL ETHER
1040	05P	ETHYLENE OXIDE or ETHYLENE OXIDE WITH NITROGEN
1041	05DP	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE
1043	07	FERTILIZER AMMONIATING SOLUTION
1044	08	FIRE EXTINGUISHERS
1045	12	FLUORINE, COMPRESSED
1046	08	HELIUM, COMPRESSED
1048	07	HYDROGEN BROMIDE, ANHYDROUS
1049	04	HYDROGEN, COMPRESSED
1050	07	HYDROGEN CHLORIDE, ANHYDROUS
1051	05DP	HYDROGEN CYANIDE, STABILIZED
1052	07	HYDROGEN FLUORIDE, ANHYDROUS
1053	05	HYDROGEN SULPHIDE
1055	04	ISOBUTYLENE
1056	08	KRYPTON, COMPRESSED
1057	04	LIGHTERS or LIGHTER REFILLS

1058	08	LIQUEFIED GASES
1060	04P	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED
1061	05	METHYLAMINE, ANHYDROUS
1062	07	METHYL BROMIDE
1063	05	METHYL CHLORIDE (REFRIGERANT GAS R 40)
1064	05	METHYL MERCAPTAN
1065	08	NEON, COMPRESSED
1066	08	NITROGEN, COMPRESSED
1067	12	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)
1069	07	NITROSYL CHLORIDE
1070	10	NITROUS OXIDE
1071	05	OIL GAS, COMPRESSED
1072	11	OXYGEN, COMPRESSED
1073	11	OXYGEN, REFRIGERATED LIQUID
1075	04	PETROLEUM GASES, LIQUEFIED
1076	07	PHOSGENE
1077	04P	PROPYLENE
1078	06	REFRIGERANT GAS, N.O.S.
1079	07	SULPHUR DIOXIDE
1080	06	SULPHUR HEXAFLUORIDE
1081	04P	TETRAFLUOROETHYLENE, STABILIZED
1082	04P	TRIFLUOROCHLOROETHYLENE, STABILIZED
1083	05	TRIMETHYLAMINE, ANHYDROUS
1085	04P	VINYL BROMIDE, STABILIZED
1086	04P	VINYL CHLORIDE, STABILIZED
1087	04P	VINYL METHYL ETHER, STABILIZED
1088	14	ACETAL
1089	18	ACETALDEHYDE
1090	14	ACETONE
1091	14	ACETONE OILS
1092	18P	ACROLEIN, STABILIZED
1093	16P	ACRYLONITRILE, STABILIZED
1098	17	ALLYL ALCOHOL
1099	19	ALLYL BROMIDE
1100	18	ALLYL CHLORIDE
1101*	25	DIETHYL ALUMINIUM CHLORIDE
1102*	25	ALUMINIUM TRIETHYL
1103*	25	ALUMINIUM TRIMETHYL
1104	18	AMYL ACETATES
1105	16	PENTANOLS
1106	18	AMYLAMINE

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1107	18	AMYL CHLORIDE
1108	14	1-PENTENE (n-AMYLENE)
1109	18	AMYL FORMATES
1110	15	n-AMYL METHYL KETONE
1111	16	AMYL MERCAPTAN
1112	15	AMYL NITRATE
1113	16	AMYL NITRITE
1114	16	BENZENE
1115*	14	BENZINE
1118*	18	BRAKE FLUID
1120	16	BUTANOLS
1123	18	BUTYL ACETATES
1125	18	n-BUTYLAMINE
1126	16	1-BROMOBUTANE
1127	18	CHLOROBUTANES
1128	18	n-BUTYL FORMATE
1129	18	BUTYRALDEHYDE
1130	15	CAMPHOR OIL
1131	16	CARBON DISULPHIDE
1132*	14	CARBON REMOVER
1133	14	ADHESIVES
1134	17	CHLOROBENZENE
1135	19	ETHYLENE CHLOROHYDRIN
1136	14	COAL TAR DISTILLATES, FLAMMABLE
1137*	15	COAL TAR DISTILLATE, HFP
1139	14	COATING SOLUTION
1142*	14	FLAMMABLE LIQUID PREPARATIONS, N.O.S.
1143	18P	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED
1144	14D	CROTONYLENE
1145	14	CYCLOHEXANE
1146	14	CYCLOPENTANE
1147	19	DECAHYDRONAPHTHALENE
1148	16	DIACETONE ALCOHOL
1149	15	DIBUTYL ETHERS
1150	18P	1,2-DICHLOROETHYLENE
1152	17	DICHLOROPENTANES
1153	15	ETHYLENE GLYCOL DIETHYL ETHER
1154	18	DIETHYLAMINE
1155	14D	DIETHYL ETHER (ETHYL ETHER)
1156	14	DIETHYL KETONE
1157	15	DIISOBUTYL KETONE

1158	18	DIISOPROPYLAMINE
1159	14	DIISOPROPYL ETHER
1160	18	DIMETHYLAMINE AQUEOUS SOLUTION
1161	18	DIMETHYL CARBONATE
1162	25	DIMETHYLDICHLOROSILANE
1163	18	DIMETHYLHYDRAZINE, UNSYMMETRICAL
1164	18	DIMETHYL SULPHIDE
1165	14	DIOXANE
1166	14	DIOXOLANE
1167	14P	DIVINYL ETHER, STABILIZED
1168*	14	DRIERS, PAINT or VARNISH, LIQUID, N.O.S.
1169	14	EXTRACTS, AROMATIC, LIQUID
1170	14	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
1171	15	ETHYLENE GLYCOL MONOETHYL ETHER
1172	19	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE
1173	18	ETHYL ACETATE
1175	16	ETHYLBENZENE
1176	38	ETHYL BORATE
1177	19	2-ETHYLBUTYL ACETATE
1178	18	2-ETHYLBUTYRALDEHYDE
1179	14	ETHYL BUTYL ETHER
1180	19	ETHYL BUTYRATE
1181	38	ETHYL CHLOROACETATE
1182	38	ETHYL CHLOROFORMATE
1183	27	ETHYLDICHLOROSILANE
1184	18	ETHYLENE DICHLORIDE
1185	18P	ETHYLENEIMINE, STABILIZED
1188	15	ETHYLENE GLYCOL MONOMETHYL ETHER
1189	19	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE
1190	18	ETHYL FORMATE
1191	19	OCTYL ALDEHYDES
1192	19	ETHYL LACTATE
1193	14	ETHYL METHYL KETONE (METHYL ETHYL KETONE)
1194	18	ETHYL NITRITE SOLUTION
1195	18	ETHYL PROPIONATE
1196	25	ETHYLTRICHLOROSILANE
1197	14	EXTRACTS, FLAVOURING, LIQUID
1198	19	FORMALDEHYDE SOLUTION, FLAMMABLE
1199	19P	FURALDEHYDES
1201	15	FUSEL OIL

UN GUIDE PROPER SHIPPING NAMI	UN GI	UIDE PI	ROPER	SHIPPING	NAME
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1202	15	GAS OIL or DIESEL FUEL or HEATING OIL LIGHT
1203	14	MOTOR SPIRIT or GASOLINE or PETROL
1204	52	NITROGLYCERIN SOLUTION IN ALCOHOL
1205*	14	GUTTA PERCHA, SOLUTION, FLAMMABLE
1206	14	HEPTANES
1207	19	HEXALDEHYDE
1208	14	HEXANES
1210	16	PRINTING INK flammable or PRINTING INK RELATED MATERIAL
1212	17	ISOBUTANOL (ISOBUTYL ALCOHOL)
1213	18	ISOBUTYL ACETATE
1214	18	ISOBUTYLAMINE
1216	14	ISOOCTENE
1218	18P	ISOPRENE, STABILIZED
1219	16	ISOPROPANOL (ISOPROPYL ALCOHOL)
1220	18	ISOPROPYL ACETATE
1221	18	ISOPROPYLAMINE
1222	16D	ISOPROPYL NITRATE
1223	15	KEROSENE
1224	14	KETONES, LIQUID, N.O.S.
1226*	14	LIGHTERS
1228	16	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE,
		LIQUID, FLAMMABLE, TOXIC, N.O.S.
1229	19	MESITYL OXIDE
1230	16	METHANOL
1231	18	METHYL ACETATE
1232*	14	METHYL ACETONE
1233	19	METHYLAMYL ACETATE
1234	14	METHYLAL
1235	18	METHYLAMINE, AQUEOUS SOLUTION
1237	18	METHYL BUTYRATE
1238	38	METHYL CHLOROFORMATE
1239	18	METHYL CHLOROMETHYL ETHER
1242	25	METHYLDICHLOROSILANE
1243	18	METHYL FORMATE
1244	18D	METHYLHYDRAZINE
1245	14	METHYL ISOBUTYL KETONE
1246	14P	METHYL ISOPROPENYL KETONE, STABILIZED
1247	18P	METHYL METHACRYLATE MONOMER, STABILIZED
1248	18	METHYL PROPIONATE
1249	14	METHYL PROPYL KETONE
1250	25	METHYLTRICHLOROSILANE

UN	GUIDE	PROPER SHIPPING NAME
1251	18P	METHYL VINYL KETONE, STABILIZED
1255*	14	NAPHTHA
1256*	14	NAPHTHA
1257*	14	NATURAL GASOLINE
1259	16D	NICKEL CARBONYL
1261	17D	NITROMETHANE
1262	14	OCTANES
1263	14	PAINT or PAINT RELATED MATERIAL
1264	19	PARALDEHYDE
1265	14	PENTANES
1266	14	PERFUMERY PRODUCTS
1267	14	PETROLEUM CRUDE OIL
1268	14	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.
1270	14	PETROLEUM FUEL (Aust)
1271*	14	PETROLEUM SPIRIT
1272	14	PINE OIL
1274	16	n-PROPANOL (PROPYL ALCOHOL, NORMAL)
1275	18	PROPIONALDEHYDE
1276	18	n-PROPYL ACETATE
1277	18	PROPYLAMINE
1278	16	1-CHLOROPROPANE
1279	18	1,2-DICHLOROPROPANE
1280	14P	PROPYLENE OXIDE
1281	18	PROPYL FORMATES
1282	19	PYRIDINE
1286	14	ROSIN OIL
1287	14	RUBBER SOLUTION
1288	14	SHALE OIL
1289	19	SODIUM METHYLATE SOLUTION
1292	19	TETRAETHYL SILICATE
1293	14	TINCTURES, MEDICINAL
1294	16	TOLUENE
1295	27	TRICHLOROSILANE
1296	18	TRIETHYLAMINE
1297	19	TRIMETHYLAMINE, AQUEOUS SOLUTION
1298	25	TRIMETHYLCHLOROSILANE
1299	15	TURPENTINE
1300	14	TURPENTINE SUBSTITUTE
1301	18P	VINYL ACETATE, STABILIZED
1302	14P	VINYL ETHYL ETHER, STABILIZED
1202	100	

1303 18P VINYLIDENE CHLORIDE, STABILIZED

1304	14P	VINYL ISOBUTYL ETHER, STABILIZED
1305	25D	VINYLTRICHLOROSILANE, STABILIZED
1306	18	WOOD PRESERVATIVES, LIQUID
1307	16	XYLENES
1308	14	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID
1309	29	ALUMINIUM POWDER, COATED
1310	52	AMMONIUM PICRATE, WETTED
1312	20	BORNEOL
1313	20	CALCIUM RESINATE
1314	20	CALCIUM RESINATE, FUSED
1318	20	COBALT RESINATE, PRECIPITATED
1320	52	DINITROPHENOL, WETTED
1321	52	DINITROPHENOLATES, WETTED
1322	52	DINITRORESORCINOL, WETTED
1323	29	FERROCERIUM
1324	20	FILMS, NITROCELLULOSE BASE
1325	20	FLAMMABLE SOLID, ORGANIC, N.O.S.
1326	29	HAFNIUM POWDER, WETTED
1327	20	HAY, STRAW or BHUSA
1328	20	HEXAMETHYLENETETRAMINE
1330	20	MANGANESE RESINATE
1331	20	MATCHES, 'STRIKE ANYWHERE'
1332	20	METALDEHYDE
1333	29	CERIUM
1334	20	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED
1336	52	NITROGUANIDINE (PICRITE), WETTED
1337	52	NITROSTARCH, WETTED
1338	20	PHOSPHORUS, AMORPHOUS
1339	27	PHOSPHORUS HEPTASULPHIDE
1340	27	PHOSPHORUS PENTASULPHIDE
1341	25	PHOSPHORUS SESQUISULPHIDE
1343	38	PHOSPHORUS TRISULPHIDE
1344	52	TRINITROPHENOL, (PICRIC ACID),WETTED
1345	20	RUBBER SCRAP or RUBBER SHODDY
1346	29	SILICON POWDER, AMORPHOUS
1347	52	SILVER PICRATE, WETTED
1348	52	SODIUM DINITRO-0-CRESOLATE, WETTED
1349	52	SODIUM PICRAMATE, WETTED
1350	20	SULPHUR
1352	29	TITANIUM POWDER, WETTED
1353	20	FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.

UN	GUIDE	PROPER SHIPPING NAME
1354	52	TRINITROBENZENE, WETTED
1355	52	TRINITROBENZOIC ACID, WETTED
1356	52	TRINITROTOLUENE, (TNT), WETTED
1357	52	UREA NITRATE, WETTED
1358	29	ZIRCONIUM POWDER, WETTED
1359*	20	BAGS
1360	27	CALCIUM PHOSPHIDE
1361	20	CARBON
1362	20	CARBON, ACTIVATED
1363	20	COPRA
1364	20	COTTON WASTE, OILY
1365	20	COTTON, WET
1366*	25	DIETHYLZINC
1367*	25	DIETHYLMAGNESIUM
1368*	25	DIMENTHYLMAGNESIUM
1369	23	p-NITROSODIMETHYLANILINE
1370*	25	DIMETHYLZINC
1371*	20	DRIERS, PAINT or VARNISH, SOLID, N.O.S.
1372	23	FIBRES, ANIMAL or FIBRES, VEGETABLE
1373	23	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S.
1374	23	FISH MEAL (FISH SCRAP), UNSTABILIZED
1375*	23	FUEL, PYROPHORIC, N.O.S.
1376	25	IRON OXIDE, SPENT or IRON SPONGE, SPENT
1378	29D	METAL CATALYST, WETTED
1379	23	PAPER, UNSATURATED OIL TREATED
1380	25	PENTABORANE
1381	24	PHOSPHORUS, WHITE or YELLOW, DRY or UNDER WATER or IN SOLUTION
1382	23	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE
1383	23	PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.
1384	25	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)
1385	23	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE
1386	23	SEED CAKE
1387	23	WOOL WASTE, WET
1389	26	ALKALI METAL AMALGAM, LIQUID
1390	27	ALKALI METAL AMIDES
1391	26	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION
1392	26	ALKALINE EARTH METAL AMALGAM, LIQUID
1393	26	ALKALINE EARTH METAL ALLOY, N.O.S.
1394	26	ALUMINIUM CARBIDE
1395	27	ALUMINIUM FERROSILICON POWDER
1396	26	ALUMINIUM POWDER, UNCOATED

1397	27	ALUMINIUM PHOSPHIDE
1398	26	ALUMINIUM SILICON POWDER, UNCOATED
1399*	26	BARIUM ALLOY
1400	26	BARIUM
1401	26	CALCIUM
1402	26	CALCIUM CARBIDE
1403	26	CALCIUM CYANAMIDE
1404	26	CALCIUM HYDRIDE
1405	26	CALCIUM SILICIDE
1406*	26	CALCIUM SILICON
1407	26	CAESIUM
1408	27	FERROSILICON
1409	26	METAL HYDRIDES, WATER-REACTIVE, N.O.S.
1410	26	LITHIUM ALUMINIUM HYDRIDE
1411	26	LITHIUM ALUMINIUM HYDRIDE, ETHEREAL
1412*	27	LITHIUM AMIDE
1413	26	LITHIUM BOROHYDRIDE
1414	26	LITHIUM HYDRIDE
1415	26	LITHIUM
1417	26	LITHIUM SILICON
1418	26	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER
1419	27	MAGNESIUM ALUMINIUM PHOSPHIDE
1420	26	POTASSIUM METAL ALLOYS, LIQUID
1421	26	ALKALI METAL ALLOY, LIQUID, N.O.S.
1422	26	POTASSIUM SODIUM ALLOYS, LIQUID
1423	25	RUBIDIUM
1424*	26	SODIUM AMALGAM
1425*	27	SODIUM AMIDE
1426	26	SODIUM BOROHYDRIDE
1427	26	SODIUM HYDRIDE
1428	26	SODIUM
1431	25	SODIUM METHYLATE
1432	27	SODIUM PHOSPHIDE
1433	27	STANNIC PHOSPHIDES
1434*	26	STRONTIUM ALLOYS, NON-PYROPHORIC
1435	26	ZINC ASHES
1436	26	ZINC POWDER or ZINC DUST
1437	29	ZIRCONIUM HYDRIDE
1438	31	ALUMINIUM NITRATE
1439	31	AMMONIUM DICHROMATE
1442	31	AMMONIUM PERCHLORATE

UN	GUIDE	PROPER SHIPPING NAME
1444	31	AMMONIUM PERSULPHATE
1445	31	BARIUM CHLORATE, SOLID
1446	31	BARIUM NITRATE
1447	31	BARIUM PERCHLORATE, SOLID
1448	31	BARIUM PERMANGANATE
1449	31	BARIUM PEROXIDE
1450	31	BROMATES, INORGANIC, N.O.S.
1451	31	CAESIUM NITRATE
1452	31	CALCIUM CHLORATE
1453	31	CALCIUM CHLORITE
1454	31	CALCIUM NITRATE
1455	31	CALCIUM PERCHLORATE
1456	31	CALCIUM PERMANGANATE
1457	31	CALCIUM PEROXIDE
1458	31	CHLORATE AND BORATE MIXTURE
1459	31	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE
1461	31	CHLORATES, INORGANIC, N.O.S.
1462	31	CHLORITES, INORGANIC, N.O.S.
1463	31	CHROMIUM TRIOXIDE, ANHYDROUS
1465	31	DIDYMIUM NITRATE
1466	31	FERRIC NITRATE
1467	31	GUANIDINE NITRATE
1469	31	LEAD NITRATE
1470	31	LEAD PERCHLORATE, SOLID
1471	31	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE
1472	31	LITHIUM PEROXIDE
1473	31	MAGNESIUM BROMATE
1474	31	MAGNESIUM NITRATE
1475	31	MAGNESIUM PERCHLORATE
1476	31	MAGNESIUM PEROXIDE
1477	31	NITRATES, INORGANIC, N.O.S.
1478*	31	SODIUM NITRATE and POTASH
1479	31	OXIDIZING SOLID, N.O.S.
1481	31	PERCHLORATES, INORGANIC, N.O.S.
1482	31	PERMANGANATES, INORGANIC, N.O.S.
1483	31	PEROXIDES, INORGANIC, N.O.S.
1484	31	POTASSIUM BROMATE
1485	31	POTASSIUM CHLORATE
1486	31	POTASSIUM NITRATE
1487	31	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE
1488	31	POTASSIUM NITRITE

UN	GUIDE	PROPER SHIPPING NAME
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1489	31	POTASSIUM PERCHLORATE
1490	31	POTASSIUM PERMANGANATE
1491	28	POTASSIUM PEROXIDE
1492	31	POTASSIUM PERSULPHATE
1493	31	SILVER NITRATE
1494	31	SODIUM BROMATE
1495	31	SODIUM CHLORATE
1496	31	SODIUM CHLORITE
1498	31	SODIUM NITRATE
1499	31	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE
1500	31	SODIUM NITRITE
1502	31	SODIUM PERCHLORATE
1503	31	SODIUM PERMANGANATE
1504	28	SODIUM PEROXIDE
1505	31	SODIUM PERSULPHATE
1506	31	STRONTIUM CHLORATE
1507	31	STRONTIUM NITRATE
1508	31	STRONTIUM PERCHLORATE
1509	31	STRONTIUM PEROXIDE
1510	31	TETRANITROMETHANE
1511	31	UREA HYDROGEN PEROXIDE
1512	31	ZINC AMMONIUM NITRITE
1513	31	ZINC CHLORATE
1514	31	ZINC NITRATE
1515	31	ZINC PERMANGANATE
1516	31	ZINC PEROXIDE
1517	52	ZIRCONIUM PICRAMATE, WETTED
1541	35	ACETONE CYANOHYDRIN, STABILIZED
1544	34	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.
1545	38	ALLYL ISOTHIOCYANATE, STABILIZED
1546	34	AMMONIUM ARSENATE
1547	36	ANILINE
1548	36	ANILINE HYDROCHLORIDE
1549	40	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.
1550	34	ANTIMONY LACTATE
1551	34	ANTIMONY POTASSIUM TARTRATE
1553	37	ARSENIC ACID, LIQUID
1554	37	ARSENIC ACID, SOLID
1555	34	ARSENIC BROMIDE
1556	35	ARSENIC COMPOUND, LIQUID, N.O.S.
1557	35	ARSENIC COMPOUND, SOLID, N.O.S.

1558	35	ARSENIC
1559	34	ARSENIC PENTOXIDE
1560	40	ARSENIC TRICHLORIDE
1561	34	ARSENIC TRIOXIDE
1562	35	ARSENICAL DUST
1564	37	BARIUM COMPOUND, N.O.S.
1565	40	BARIUM CYANIDE
1566	37	BERYLLIUM COMPOUND, N.O.S.
1567	35	BERYLLIUM POWDER
1568*	34	BORDEAUX ARSENITES
1569	18	BROMOACETONE
1570	35	BRUCINE
1571	52	BARIUM AZIDE, WETTED
1572	34	CACODYLIC ACID
1573	34	CALCIUM ARSENATE
1574	34	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID
1575	40	CALCIUM CYANIDE
1577	36D	CHLORODINITROBENZENES, LIQUID
1578	35D	CHLORONITROBENZENES, SOLID
1579	36	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID
1580	37D	CHLOROPICRIN
1581	07	CHLOROPICRIN AND METHYL BROMIDE MIXTURE
1582	05	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE
1583	37	CHLOROPICRIN MIXTURE, N.O.S.
1584*	34	COCCULUS, SOLID
1585	34	COPPER ACETOARSENITE
1586	34	COPPER ARSENITE
1587	34	COPPER CYANIDE
1588	40	CYANIDES, INORGANIC, SOLID, N.O.S.
1589	07	CYANOGEN CHLORIDE, STABILIZED
1590	36	DICHLOROANILINES, LIQUID
1591	35	o-DICHLOROBENZENE
1592*	35	(1,4)para-DICHLOROBENZENE
1593	37	DICHLOROMETHANE
1594	36	DIETHYL SULPHATE
1595	39	DIMETHYL SULPHATE
1596	36D	DINITROANILINES
1597	35D	DINITROBENZENES, LIQUID
1598	36D	DINITRO-0-CRESOL
1599	37	DINITROPHENOL SOLUTION
1600	35D	DINITROTOLUENES, MOLTEN

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1601	34	DISINFECTANT, SOLID, TOXIC, N.O.S.
1602	34	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.
1603	38	ETHYL BROMOACETATE
1604	19	ETHYLENEDIAMINE
1605	37	ETHYLENE DIBROMIDE
1606	34	FERRIC ARSENATE
1607	34	FERRIC ARSENITE
1608	34	FERROUS ARSENATE
1610*	19	HALOGENATED IRRITATING LIQUID, N.O.S.
1611	35	HEXAETHYL TETRAPHOSPHATE
1612	07	HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE
1613	37D	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS
		SOLUTION)
1614	18D	HYDROGEN CYANIDE, STABILIZED
1616	34	LEAD ACETATE
1617	34	LEAD ARSENATES
1618	34	LEAD ARSENITES
1620	34	LEAD CYANIDE
1621	34	LONDON PURPLE
1622	34	MAGNESIUM ARSENATE
1623	34	MERCURIC ARSENATE
1624	37	MERCURIC CHLORIDE
1625	34	MERCURIC NITRATE
1626	40	MERCURIC POTASSIUM CYANIDE
1627	34	MERCUROUS NITRATE
1628*	34	MERCUROUS SULPHATE
1629	34	MERCURY ACETATE
1630	34	MERCURY AMMONIUM CHLORIDE
1631	37	MERCURY BENZOATE
1633*	36	MERCURY BISULPHATE
1634	37	MERCURY BROMIDES
1636	37	MERCURY CYANIDE
1637	34	MERCURY GLUCONATE
1638	34	MERCURY IODIDE
1639	34	MERCURY NUCLEATE
1640	34	MERCURY OLEATE
1641	34	MERCURY OXIDE
1642	34	MERCURY OXYCYANIDE, DESENSITIZED
1643	34	MERCURY POTASSIUM IODIDE
1644	34	MERCURY SALICYLATE
1645	34	MERCURY SULPHATE

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1646	34	MERCURY THIOCYANATE
1647	34	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID
1648	17	ACETONITRILE
1649	16D	MOTOR FUEL ANTI-KNOCK MIXTURE
1650	36	beta-NAPHTHYLAMINE, SOLID
1651	36	NAPHTHYLTHIOUREA
1652	36	NAPHTHYLUREA
1653	34	NICKEL CYANIDE
1654	34	NICOTINE
1655	34	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.
1656	34	NICOTINE HYDROCHLORIDE LIQUID or NICOTINE HYDROCHLORIDE SOLUTION
1657	34	NICOTINE SALICYLATE
1658	34	NICOTINE SULPHATE SOLUTION
1659	34	NICOTINE TARTRATE
1660	12	NITRIC OXIDE, COMPRESSED
1661	36	NITROANILINES (o-, m-, p-)
1662	35	NITROBENZENE
1663	36	NITROPHENOLS (o-, m-, p-)
1664	35	NITROTOLUENES , LIQUID (o-, m-, p-)
1665	35	NITROXYLENES, LIQUID (o-, m-, p-)
1669	34	PENTACHLOROETHANE
1670	40	PERCHLOROMETHYL MERCAPTAN
1671	36	PHENOL, SOLID
1672	34	PHENYLCARBYLAMINE CHLORIDE
1673	36	PHENYLENEDIAMINES (o-, m-, p-)
1674	34	PHENYLMERCURIC ACETATE
1677	34	POTASSIUM ARSENATE
1678	37	POTASSIUM ARSENITE
1679	40	POTASSIUM CUPROCYANIDE
1680	34	POTASSIUM CYANIDE, SOLID
1681*	34	RODENTICIDES, N.O.S.
1683	34	SILVER ARSENITE
1684	34	SILVER CYANIDE
1685	34	SODIUM ARSENATE
1686	34	SODIUM ARSENITE, AQUEOUS SOLUTION
1687	39	SODIUM AZIDE
1688	35	SODIUM CACODYLATE
1689	40	SODIUM CYANIDE, SOLID
1690	37	SODIUM FLUORIDE, SOLID
1691	34	STRONTIUM ARSENITE
1602	34	STRVCHNINE or STRVCHNINE SALTS

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UN	GUIDE	PROPER SHIPPING NAME
1693	36	TEAR GAS SUBSTANCE, LIQUID, N.O.S.
1694	36	BROMOBENZYL CYANIDES, LIQUID
1695	19D	CHLOROACETONE, STABILIZED
1697	36	CHLOROACETO-PHENONE, SOLID
1698	37	DIPHENYLAMINE CHLOROARSINE
1699	34	DIPHENYLCHLOROARSINE, LIQUID
1700	36	TEAR GAS CANDLES
1701	35	XYLYL BROMIDE, LIQUID
1702	34	1,1,2,2-TETRACHLOROETHANE
1703*	07	TETRAETHYL DITHIOPYROPHOSPHATE AND GASES, INCLUDING SOLUTIONS or MIXTURES
1704	36	TETRAETHYL DITHIOPYROPHOSPHATE
1705*	07	TETRAETHYL PYROPHOSPHATE AND GAS MIXTURES, COMPRESSED
1707	34	THALLIUM COMPOUND, N.O.S.
1708	36	TOLUIDINES, LIQUID
1709	36	2,4-TOLUYLENE-DIAMINE, SOLID
1710	37	TRICHLOROETHYLENE
1711	37	XYLIDINES, LIQUID
1712	34	ZINC ARSENATE, ZINC ARSENITE or ZINC ARSENATE AND ZINC ARSENITE MIXTURE
1713	34	ZINC CYANIDE
1714	27	ZINC PHOSPHIDE
1715	38	ACETIC ANHYDRIDE
1716	39	ACETYL BROMIDE
1717	38	ACETYL CHLORIDE
1718	36	BUTYL ACID PHOSPHATE
1719	37	CAUSTIC ALKALI LIQUID, N.O.S.
1722	38	ALLYL CHLOROFORMATE
1723	19	ALLYL IODIDE
1724	25D	ALLYLTRICHLOROSILANE, STABILIZED
1725	40	ALUMINIUM BROMIDE, ANHYDROUS
1726	40	ALUMINIUM CHLORIDE, ANHYDROUS
1727	37	AMMONIUM HYDROGEN DIFLUORIDE, SOLID
1728	25	AMYLTRICHLOROSILANE
1729	39	ANISOYL CHLORIDE
1730	40	ANTIMONY PENTACHLORIDE, LIQUID
1731	40	ANTIMONY PENTACHLORIDE SOLUTION
1732	40	ANTIMONY PENTAFLUORIDE
1733	40	ANTIMONY TRICHLORIDE
1736	39	BENZOYL CHLORIDE
1737	39	BENZYL BROMIDE

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1738	39	BENZYL CHLORIDE
1739	39	BENZYL CHLOROFORMATE
1740	37	HYDROGEN DIFLUORIDES, SOLID, N.O.S.
1741	07	BORON TRICHLORIDE
1742	38	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID
1743	39	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID
1744	37	BROMINE or BROMINE SOLUTION
1745	28	BROMINE PENTAFLUORIDE
1746	28	BROMINE TRIFLUORIDE
1747	25	BUTYLTRICHLOROSILANE
1748	31	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY
1749	12	CHLORINE TRIFLUORIDE
1750	36	CHLOROACETIC ACID SOLUTION
1751	36	CHLOROACETIC ACID, SOLID
1752	39	CHLOROACETYL CHLORIDE
1753	39	CHLOROPHENYLTRICHLOROSILANE
1754	40	CHLOROSULPHONIC ACID
1755	37	CHROMIC ACID SOLUTION
1756	37	CHROMIC FLUORIDE, SOLID
1757	37	CHROMIC FLUORIDE SOLUTION
1758	40	CHROMIUM OXYCHLORIDE
1759	37	CORROSIVE SOLID, N.O.S.
1760	37	CORROSIVE LIQUID, N.O.S.
1761	37	CUPRIETHYLENEDIAMINE SOLUTION
1762	39	CYCLOHEXENYLTRICHLOROSILANE
1763	39	CYCLOHEXYLTRICHLOROSILANE
1764	36	DICHLOROACETIC ACID
1765	39	DICHLOROACETYL CHLORIDE
1766	39	DICHLOROPHENYLTRICHLOROSILANE
1767	39	DIETHYLDICHLOROSILANE
1768	37	DIFLUOROPHOSPHORIC ACID, ANHYDROUS
1769	39	DIPHENYLDICHLOROSILANE
1770	36	DIPHENYLMETHYL BROMIDE
1771	39	DODECYLTRICHLOROSILANE
1773	40	FERRIC CHLORIDE, ANHYDROUS
1774	37	FIRE EXTINGUISHER CHARGES
1775	37	FLUOROBORIC ACID
1776	37	FLUOROPHOSPHORIC ACID, ANHYDROUS
1777	40	FLUOROSULPHONIC ACID
1778	37	FLUOROSILICIC ACID
1779	36	FORMIC ACID

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UN	GUIDE	PROPER	SHIPPING	NAME
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1780	39	FUMARYL CHLORIDE
1781	39	HEXADECYLTRICHLOROSILANE
1782	37	HEXAFLUOROPHOSPHORIC ACID
1783	36	HEXAMETHYLENEDIAMINE SOLUTION
1784	39	HEXYLTRICHLOROSILANE
1786	40	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE
1787	37	HYDRIODIC ACID
1788	37	HYDROBROMIC ACID
1789	40	HYDROCHLORIC ACID
1790	40	HYDROFLUORIC ACID
1791	37	HYPOCHLORITE SOLUTION
1792	40	IODINE MONOCHLORIDE
1793	36	ISOPROPYL ACID PHOSPHATE
1794	37	LEAD SULPHATE
1796	40	NITRATING ACID MIXTURE
1798	40	NITROHYDROCHLORIC ACID
1799	39	NONYLTRICHLOROSILANE
1800	39	OCTADECYLTRICHLOROSILANE
1801	39	OCTYLTRICHLOROSILANE
1802	31	PERCHLORIC ACID
1803	36	PHENOLSULPHONIC ACID, LIQUID
1804	39	PHENYLTRICHLOROSILANE
1805	37	PHOSPHORIC ACID, SOLUTION
1806	40	PHOSPHORUS PENTACHLORIDE
1807	40	PHOSPHORUS PENTOXIDE
1808	40	PHOSPHORUS TRIBROMIDE
1809	40	PHOSPHORUS TRICHLORIDE
1810	40	PHOSPHORUS OXYCHLORIDE
1811	37	POTASSIUM HYDROGEN DIFLUORIDE, SOLID
1812	37	POTASSIUM FLUORIDE, SOLID
1813	37	POTASSIUM HYDROXIDE, SOLID
1814	37	POTASSIUM HYDROXIDE SOLUTION
1815	38	PROPIONYL CHLORIDE
1816	25	PROPYLTRICHLOROSILANE
1817	40	PYROSULPHURYL CHLORIDE
1818	40	SILICON TETRACHLORIDE
1819	37	SODIUM ALUMINATE SOLUTION
1821*	37	SODIUM HYDROXIDE, SULPHATE
1823	37	SODIUM HYDROXIDE, SOLID
1824	37	SODIUM HYDROXIDE SOLUTION
1825	40	SODIUM MONOXIDE

UN	GUIDE	PROPER SHIPPING NAME
1826	40	NITRATING ACID MIXTURE, SPENT
1827	40	STANNIC CHLORIDE, ANHYDROUS
1828	39	SULPHUR CHLORIDES
1829	40	SULPHUR TRIOXIDE, STABILIZED
1830	40	SULPHURIC ACID
1831	40	SULPHURIC ACID, FUMING
1832	40	SULPHURIC ACID, SPENT
1833	37	SULPHUROUS ACID
1834	40	SULPHURYL CHLORIDE
1835	36	TETRAMETHYLAMMONIUM HYDROXIDE
1836	40	THIONYL CHLORIDE
1837	40	THIOPHOSPHORYL CHLORIDE
1838	40	TITANIUM TETRACHLORIDE
1839	36	TRICHLOROACETIC ACID
1840	37	ZINC CHLORIDE SOLUTION
1841	35	ACETALDEHYDE AMMONIA
1843	31	AMMONIUM DINITRO-o-CRESOLATE, SOLID
1845	09	CARBON DIOXIDE, SOLID (DRY ICE)
1846	34	CARBON TETRACHLORIDE
1847	38	POTASSIUM SULPHIDE, HYDRATED
1848	19	PROPIONIC ACID
1849	38	SODIUM SULPHIDE, HYDRATED
1850*	19	ERADICATORS, PAINT or GREASE, LIQUID
1851	34	MEDICINE, LIQUID, TOXIC, N.O.S.
1854	25	BARIUM ALLOYS, PYROPHORIC
1855	25	CALCIUM, PYROPHORIC or CALCIUM ALLOYS, PYROPHORIC
1856	23	RAGS, OILY
1857	23	TEXTILE WASTE, WET
1858	06P	HEXAFLUOROPROPYLENE (REFRIGERANT GAS R 1216)
1859	07	SILICON TETRAFLUORIDE
1860	04P	VINYL FLUORIDE, STABILIZED
1862	18	ETHYL CROTONATE
1863	14	FUEL, AVIATION, TURBINE ENGINE
1864*	14	GAS DRIPS, HYDROCARBON
1865	16	n-PROPYL NITRATE
1866	14	RESIN SOLUTION
1867*	20	CIGARETTES
1868	23	DECABORANE
1869	26	MAGNESIUM or MAGNESIUM ALLOYS
1870	26	POTASSIUM BOROHYDRIDE
1871	29	TITANIUM HYDRIDE

1872	31	LEAD DIOXIDE
1873	31	PERCHLORIC ACID
1884	40	BARIUM OXIDE
1885	36	BENZIDINE
1886	39	BENZYLIDENE CHLORIDE
1887	37	BROMOCHLOROMETHANE
1888	34	CHLOROFORM
1889	40	CYANOGEN BROMIDE
1891	17	ETHYL BROMIDE
1892	34	ETHYLDICHLOROARSINE
1894	34	PHENYLMERCURIC HYDROXIDE
1895	34	PHENYLMERCURIC NITRATE
1896*	16	RESIN, SOLUTIONS, TOXIC
1897	37	TETRACHLOROETHYLENE
1898	39	ACETYL IODIDE
1902	36	DIISOOCTYL ACID PHOSPHATE
1903	36	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
1905	37	SELENIC ACID
1906	36	SLUDGE ACID
1907	37	SODA LIME
1908	37D	CHLORITE SOLUTION
1910	40	CALCIUM OXIDE
1911	13	DIBORANE
1912	05	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE
1913	08	NEON, REFRIGERATED LIQUID
1914	19	BUTYL PROPIONATES
1915	15	CYCLOHEXANONE
1916	35	2,2'-DICHLORODIETHYL ETHER
1917	18P	ETHYL ACRYLATE, STABILIZED
1918	19	ISOPROPYLBENZENE
1919	18P	METHYL ACRYLATE, STABILIZED
1920	15	NONANES
1921	19P	PROPYLENEIMINE, STABILIZED
1922	18	PYRROLIDINE
1923	25	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)
1924*	25	ETHYLALUMINIUM DICHLORIDE
1925*	25	ETHYLALUMINIUM SESQUICHLORIDE
1926*	25	METHYL ALUMINIUM SESQUIBROMIDE
1927*	25	METHYL ALUMINIUM SESQUICHLORIDE
1928	25	METHYL MAGNESIUM BROMIDE IN ETHYL ETHER
1929	25	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)

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1930*	25	TRI-iso-BUTYL ALUMINIUM
1931	25	ZINC DITHIONITE (ZINC HYDROSULPHITE)
1932	25	ZIRCONIUM SCRAP
1935	40	CYANIDE SOLUTION, N.O.S.
1938	39	BROMOACETIC ACID, SOLUTION
1939	40	PHOSPHORUS OXYBROMIDE
1940	36	THIOGLYCOLIC ACID
1941	37	DIBROMODIFLUOROMETHANE
1942	50	AMMONIUM NITRATE
1944	20	MATCHES, SAFETY
1945	20	MATCHES, WAX 'VESTA'
1950	49	AEROSOLS
1951	08	ARGON, REFRIGERATED LIQUID
1952	06	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE
1953	05	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.
1954	04	COMPRESSED GAS, FLAMMABLE, N.O.S.
1955	07	COMPRESSED GAS, TOXIC, N.O.S.
1956	06	COMPRESSED GAS, N.O.S.
1957	04	DEUTERIUM, COMPRESSED
1958	07	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 114)
1959	04P	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)
1960*	04	ENGINE STARTING FLUID
1961	04	ETHANE, REFRIGERATED LIQUID
1962	04P	ETHYLENE
1963	08	HELIUM, REFRIGERATED LIQUID
1964	04	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.
1965	04	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
1966	04	HYDROGEN, REFRIGERATED LIQUID
1967	07	INSECTICIDE GAS, TOXIC, N.O.S.
1968	06	INSECTICIDE GAS, N.O.S.
1969	04	ISOBUTANE
1970	08	KRYPTON, REFRIGERATED LIQUID
1971	04	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED
1972	04	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID
1973	06	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE (REFRIGERANT GAS R 502)
1974	06	CHLORODIFLUOROBROMOMETHANE (REFRIGERANT GAS R 12B1)
1975	12	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE)
1976	06	OCTAFLUOROCYCLOBUTANE (REFRIGERANT GAS RC 318)
1977	08	NITROGEN, REFRIGERATED LIQUID

04	PROPANE
08	RARE GASES MIXTURE, COMPRESSED
10	RARE GASES AND OXYGEN MIXTURE, COMPRESSED
08	RARE GASES AND NITROGEN MIXTURE, COMPRESSED
06	TETRAFLUOROMETHANE, COMPRESSED (REFRIGERANT GAS R 14)
06	1-CHLORO-2,2,2-TRIFLUOROETHANE (REFRIGERANT GAS R 133a)
06	TRIFLUOROMETHANE (REFRIGERANT GAS R 23)
16	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.
14	ALCOHOLS, N.O.S.
16	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.
18	ALDEHYDES, N.O.S.
18	BENZALDEHYDE
17P	CHLOROPRENE, STABILIZED
16	FLAMMABLE LIQUID, TOXIC, N.O.S.
14	FLAMMABLE LIQUID, N.O.S.
23D	IRON PENTACARBONYL
16	TARS, LIQUID
52	CELLULOID
20	COBALT NAPHTHENATES, POWDER
23	CELLULOID, SCRAP
25	METAL ALKYLS, WATER-REACTIVE, N.O.S. or METAL ARYLS, WATER-REACTIVE,
	N.O.S.
25	MAGNESIUM DIAMIDE
25	MAGNESIUM DIPHENYL
23	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.
25	ZIRCONIUM POWDER, DRY
25	ZIRCONIUM, DRY
26	MAGNESIUM HYDRIDE
27	MAGNESIUM PHOSPHIDE
27	POTASSIUM PHOSPHIDE
27	STRONTIUM PHOSPHIDE
31	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
31	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE, AQUEOUS
	SOLUTION, STABILIZED
37	AMMUNITION, TOXIC, NON-EXPLOSIVE
36	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE
37	CHLOROANILINES, SOLID
37	CHLOROANILINES, LIQUID
36	CHLOROPHENOLS, SOLID
36	CHLOROPHENOLS, LIQUID
36	CRESYLIC ACID
30	UNEDILIU AUID
	08 10 08 06 06 16 14 16 18 17P 16 14 23D 16 52 20 23 25 25 25 25 25 25 25 25 25 25

UN	GUIDE	PROPER SHIPPING NAME
2023	18P	EPICHLOROHYDRIN
2024	34	MERCURY COMPOUND, LIQUID, N.O.S.
2025	34	MERCURY COMPOUND, SOLID, N.O.S.
2026	34	PHENYLMERCURIC COMPOUND, N.O.S.
2027	34	SODIUM ARSENITE, SOLID
2028	36	BOMBS, SMOKE, NON-EXPLOSIVE
2029	18D	HYDRAZINE, ANHYDROUS
2030	19D	HYDRAZINE AQUEOUS SOLUTION
2031	40	NITRIC ACID
2032	40	NITRIC ACID, RED FUMING
2033	37	POTASSIUM MONOXIDE
2034	04	HYDROGEN AND METHANE MIXTURE, COMPRESSED
2035	06	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)
2036	08	XENON
2037	04	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
2038	35D	DINITROTOLUENES, LIQUID
2044	04	2,2-DIMETHYLPROPANE
2045	18	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)
2046	19	CYMENES
2047	19	DICHLOROPROPENES
2048	19D	DICYCLOPENTADIENE
2049	17	DIETHYLBENZENE
2050	14	DIISOBUTYLENE, ISOMERIC COMPOUNDS
2051	18	2-DIMETHYLAMINOETHANOL
2052	14	DIPENTENE
2053	17	METHYL ISOBUTYL CARBINOL
2054	19	MORPHOLINE
2055	19P	STYRENE MONOMER, STABILIZED
2056	14D	TETRAHYDROFURAN
2057	14	TRIPROPYLENE
2058	18	VALERALDEHYDE
2059	52	NITROCELLULOSE SOLUTION, FLAMMABLE
2060*	15D	NITROCELLULOSE SOLUTION, FLAMMABLE
2067	50	AMMONIUM NITRATE BASED FERTILIZER
2068*	50	AMMONIUM NITRATE BASED FERTILIZER
2069*	50	AMMONIUM NITRATE FERTILIZERS
2070*	50	AMMONIUM NITRATE FERTILIZERS
2071	50	AMMONIUM NITRATE BASED FERTILIZER
2072*	50	AMMONIUM NITRATE FERTILIZER, N.O.S.
2073	36	AMMONIA SOLUTION

36P

ACRYLAMIDE, SOLID

2075	36	CHLORAL, ANHYDROUS, STABILIZED
2076	36	CRESOLS, LIQUID
2077	36	alpha-NAPHTHYLAMINE
2078	39	TOLUENE DIISOCYANATE
2079	36	DIETHYLENETRIAMINE
2080*	32	ACETYL ACETONE PEROXIDE
2081*	32	ACETYL BENZYL PEROXIDE
2082*	33	ACETYL CYCLOHEXANE SULPHONYL PEROXIDE
2083*	33	ACETYL CYCLOHEXANE SULPHONYL PEROXIDE
2084*	33	ACETYL PEROXIDE PHLEGMATIZED
2085*	32	BENZOYL PEROXIDE
2086*	32	(DI)BENZOYL PEROXIDE
2087*	32	BENZOYL PEROXIDE
2088*	32	BENZOYL PEROXIDE
2089*	32	BENZOYLPEROXIDE
2090*	32	BENZOYL PEROXIDE
2091*	32	tert-BUTYL CUMYL PEROXIDE
2092*	32	tert-BUTYL HYDROPEROXIDE
2093*	32	tert-BUTYL HYDROPEROXIDE
2094*	32	tert-BUTYL HYDROPEROXIDE
2095*	32	tert-BUTYL PEROXYACETATE
2096*	32	tert-BUTYL PEROXYACETATE
2097*	32	tert-BUTYL PEROXYBENZOATE
2098*	32	tert-BUTYL PEROXYBENZOATE
2099*	32	tert-BUTYL MONOPEROXYMALEATE
2100*	32	tert-BUTYL MONOPEROXYMALEATE
2101*	32	tert-BUTYL MONOPEROXYMALEATE
2102*	32	tert-BUTYL PEROXIDE
2103*	32	tert-BUTYL PEROXY ISO-PROPYLCARBONATE
2104*	32	tert-BUTYL PEROXY-3,5,5-TRIMETHYLHEXANOATE
2105*	32	tert-BUTYL MONOPEROXYPHTHALATE
2106*	32	DI-(tert-BUTYLPEROXY) PHTHALATE
2107*	32	DI-(tert-BUTYLPEROXY) PHTHALATE
2108*	32	DI-(tert-BUTYLPEROXY) PHTHALATE
2110*	33	tert-BUTYL PEROXYPIVALATE
2111*	32	2,2-DI-(tert-BUTYLPEROXY) BUTANE
2112*	32	1,4-DI-2(2-tert-BUTYLPEROXYISOPROPYL) BENZENE, and MIXTURES
2113*	32	p-CHLOROBENZOYL PEROXIDE
2114*	32	p-CHLOROBENZOYL PEROXIDE
2115*	32	p-CHLOROBENZOYL PEROXIDE
2116*	32	CUMENE HYDROPEROXIDE

UN	GUIDE	PROPER SHIPPING NAME
2117*	32	CYCLOHEXANONE PEROXIDE(S)
2118*	32	CYCLOHEXANONE PEROXIDE(S)
2119*	32	CYCLOHEXANONE PEROXIDE(S)
2120*	33	DECANOYL PEROXIDE
2121*	32	DICUMYL PEROXIDE
2122*	33	DI-2-(ETHYLHEXYL) PEROXYDICARBONATE
2123*	33	DI-(2-ETHYLHEXYL) PEROXYDICARBONATE
2124*	32	DILAUROYL PEROXIDE
2125*	32	p-MENTHANE HYDROPEROXIDE
2126*	32	METHYL ISOBUTYL KETONE PEROXIDE
2127*	32	METHYL ETHYL KETONE PEROXIDE
2128*	33	ISO-NONANOYL PEROXIDE
2129*	33	DI-n-OCTANOYL PEROXIDE
2130*	33	DI-n-NONANOYL PEROXIDE
2131*	32	PEROXYACETIC ACID
2132*	33	PROPIONYL PEROXIDE
2133*	33	DIISOPROPYL PEROXYDICARBONATE
2134*	33	DIISOPROPYL PEROXYDICARBONATE
2135*	32	DISUCCINIC ACID PEROXIDE
2136*	32	TETRALIN HYDROPEROXIDE
2137*	32	2,4-DICHLOROBENZOYL PEROXIDE
2138*	32	2,4-DICHLOROBENZOYL PEROXIDE
2139*	32	2,4-DICHLOROBENZOYL PEROXIDE
2140*	32	n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE
2141*	32	n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE
2142*	33	tert-BUTYL PEROXYISOBUTYRATE
2143*	33	tert-BUTYL PEROXY-2-ETHYLHEXANOATE
2144*	33	tert-BUTYL PEROXYDIETHYLACETATE
2145*	32	1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYL CYCLOHEXANE
2146*	32	1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYL CYCLOHEXANE
2147*	32	1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYL CYCLOHEXANE
2148*	32	DI-(1-HYDROXYCYCLOHEXYL) PEROXIDE
2149*	33	DIBENZYL PEROXYDICARBONATE
2150*	33	DI-(sec-BUTYL) PEROXYDICARBONATE
2151*	33	DI-(sec-BUTYL) PEROXYDICARBONATE
2152*	33	DICYCLOHEXYL PEROXYDICARBONATE
2153*	33	DICYCLOHEXYL PEROXYDICARBONATE
2154*	33	DI-(4-tert-BUTYLCYCLOHEXYL) PEROXYDICARBONATE
2155*	32	2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) HEXANE

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2158*	32	2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) DEXYNE-3
2159*	32	2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) DEXYNE-3
2160*	32	1,1,3,3-TETRAMETHYLBUTYL HYDROPEROXIDE
2161*	33	1,1,3,3-TETRAMETHYLBUTYL PEROXY-2-ETHYLHEXANOATE
2162*	32	PINANE HYDROPEROXIDE
2163*	33	DIACETONE ALCOHOL PEROXIDES
2164*	33	DICETYL PEROXYDICARBONATE
2165*	32	3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE
2166*	32	3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE
2167*	32	3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE
2168*	32	2,2-DI-(4,4-DI-tert-BUTYLPEROXYCYCLOHEXYL) PROPANE
2169*	33	n-BUTYL PEROXYDICARBONATE
2170*	33	n-BUTYL PEROXYDICARBONATE
2171*	32	DI-ISO-PROPYLBENZENE HYDROPEROXIDE
2172*	32	2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE
2173*	32	2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE
2174*	32	2,5-DIMETHYL-2,5-DIHYDROPEROXY HEXANE
2175*	33	DIETHYL PEROXYDICARBONATE
2176*	33	DI-n-PROPYL PEROXYDICARBONATE
2177*	33	tert-BUTYL PEROXYNEODECANOATE
2178*	32	2,2-DIHYDROPEROXY PROPANE
2179*	32	1,1-DI-(tert-BUTYLPEROXY) CYCLOHEXANE
2180*	32	1,1-DI-(tert-BUTYLPEROXY) CYCLOHEXANE
2182*	33	DIISOBUTYRYL PEROXIDE
2183*	32	tert-BUTYL PEROXYCROTONATE
2184*	32	ETHYL-3,3-DI-(tert-BUTYLPEROXY) BUTYRATE
2185*	32	ETHYL-3,3-DI-(tert-BUTYLPEROXY) BUTYRATE
2186	07	HYDROGEN CHLORIDE, REFRIGERATED LIQUID
2187	09	CARBON DIOXIDE, REFRIGERATED LIQUID
2188	05	ARSINE
2189	05	DICHLOROSILANE
2190	12	OXYGEN DIFLUORIDE, COMPRESSED
2191	07	SULPHURYL FLUORIDE
2192	05	GERMANE
2193	06	HEXAFLUOROETHANE (REFRIGERANT GAS R 116)
2194	07	SELENIUM HEXAFLUORIDE
2195	07	TELLURIUM HEXAFLUORIDE
2196	07	TUNGSTEN HEXAFLUORIDE
2197	07	HYDROGEN IODIDE, ANHYDROUS
2198	07	PHOSPHORUS PENTAFLUORIDE
2199	13	PHOSPHINE

UN	GUIDE	PROPER SHIPPING NAME
2200	04P	PROPADIENE, STABILIZED
2201	10	NITROUS OXIDE, REFRIGERATED LIQUID
2202	05	HYDROGEN SELENIDE, ANHYDROUS
2203	13D	SILANE
2204	05	CARBONYL SULPHIDE
2205	36	ADIPONITRILE
2206	38	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.
2207*	38	ISOCYANATES, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.
2208	31	CALCIUM HYPOCHLORITE MIXTURE, DRY
2209	19	FORMALDEHYDE SOLUTION
2210	25	MANEB or MANEB PREPARATION
2211	20	POLYMERIC BEADS, EXPANDABLE
2212	47	BLUE ASBESTOS (crocidolite) or BROWN ASBESTOS
2213	20	PARAFORMALDEHYDE
2214	39	PHTHALIC ANHYDRIDE
2215	36	MALEIC ANHYDRIDE or MALEIC ANHYDRIDE, MOLTEN
2216	47	FISH MEAL (FISH SCRAP), STABILIZED
2217	23	SEED CAKE
2218	19P	ACRYLIC ACID, STABILIZED
2219	17	ALLYL GLYCIDYL ETHER
2220*	25	ALUMINIUM ALKYL HALIDES
2221*	25	ALUMINIUM ALKYL HALIDES
2222	15	ANISOLE
2224	35	BENZONITRILE
2225	39	BENZENESULPHONYL CHLORIDE
2226	39	BENZOTRICHLORIDE
2227	19P	n-BUTYL METHACRYLATE, STABILIZED
2228*	36	BUTYLPHENOLS, LIQUID
2229*	36	BUTYLPHENOLS, SOLID
2230*	17	CHLORINATED ANTHRACENE OIL
2232	36	2-CHLOROETHANAL
2233	35	CHLOROANISIDINES
2234	19	CHLOROBENZOTRIFLUORIDES
2235	36	CHLOROBENZYL CHLORIDES, LIQUID
2236	39	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID
2237	36	CHLORONITROANILINES
2238	18	CHLOROTOLUENES
2239	36	CHLOROTOLUIDINES, SOLID
2240	37	CHROMOSULPHURIC ACID
2241	14	CYCLOHEPTANE
2242	14	CYCLOHEPTENE

2243	18	CYCLOHEXYL ACETATE
2244	17	CYCLOPENTANOL
2245	15	CYCLOPENTANONE
2246	14	CYCLOPENTENE
2247	15	n-DECANE
2248	36	DI-n-BUTYLAMINE
2249	36	DICHLORODIMETHYL ETHER, SYMMETRICAL
2250	39	DICHLOROPHENYL ISOCYANATES
2251	14P	BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILIZED (2,5-NORBORNADIENE, STABILIZED)
2252	14	1,2-DIMETHOXYETHANE
2253	36	N,N-DIMETHYLANILINE
2254	20	MATCHES, FUSEE
2255*	32	ORGANIC PEROXIDES, SAMPLES, N.O.S.
2256	14	CYCLOHEXENE
2257	27	POTASSIUM
2258	19	1,2-PROPYLENEDIAMINE
2259	36	TRIETHYLENETETRAMINE
2260	19	TRIPROPYLAMINE
2261	36	XYLENOLS, SOLID
2262	39	DIMETHYLCARBAMOYL CHLORIDE
2263	14	DIMETHYLCYCLOHEXANES
2264	19	N,N-DIMETHYLCYCLOHEXYLAMINE
2265	19	N,N-DIMETHYLFORMAMIDE
2266	19	DIMETHYL-N-PROPYLAMINE
2267	39	DIMETHYL THIOPHOSPHORYL CHLORIDE
2269	36	3,3'-IMINODIPROPYLAMINE
2270	18	ETHYLAMINE, AQUEOUS SOLUTION
2271	15	ETHYL AMYL KETONE
2272	36	N-ETHYLANILINE
2273	36	2-ETHYLANILINE
2274	36	N-ETHYL-N-BENZYLANILINE
2275	17	2-ETHYLBUTANOL
2276	36	2-ETHYLHEXYLAMINE
2277	19P	ETHYL METHACRYLATE, STABILIZED
2278	14	n-HEPTENE
2279	34	HEXACHLOROBUTADIENE
2280	36	HEXAMETHYLENEDIAMINE, SOLID
2281	39	HEXAMETHYLENE DIISOCYANATE
2282	17	HEXANOLS
2283	19DP	ISOBUTYL METHACRYLATE, STABILIZED

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2284	17	ISOBUTYRONITRILE
2285	39	ISOCYANATOBENZOTRIFLUORIDES
2286	15	PENTAMETHYLHEPTANE
2287	14	ISOHEPTENES
2288	14	ISOHEXENES
2289	36	ISOPHORONEDIAMINE
2290	39	ISOPHORONE DIISOCYANATE
2291	34	LEAD COMPOUND, SOLUBLE, N.O.S.
2293	15	4-METHOXY-4-METHYLPENTAN-2-ONE
2294	36	N-METHYLANILINE
2295	38	METHYL CHLOROACETATE
2296	14	METHYLCYCLOHEXANE
2297	15	METHYLCYCLOHEXANONE
2298	14	METHYLCYCLOPENTANE
2299	38	METHYL DICHLOROACETATE
2300	36	2-METHYL-5-ETHYLPYRIDINE
2301	14	2-METHYLFURAN
2302	15	5-METHYLHEXAN-2-ONE
2303	15	ISOPROPENYLBENZENE
2304	20	NAPHTHALENE, MOLTEN
2305	36D	NITROBENZENESULPHONIC ACID
2306	35	NITROBENZOTRIFLUORIDES
2307	35	3-NITRO-4-CHLOROBENZOTRIFLUORIDE
2308	40	NITROSYLSULPHURIC ACID, LIQUID
2309	14P	OCTADIENE
2310	15	PENTANE-2,4-DIONE
2311	36	PHENETIDINES
2312	36	PHENOL, MOLTEN
2313	18	PICOLINES
2315	48	POLYCHLORINATED BIPHENYLS, LIQUID
2316	40	SODIUM CUPROCYANIDE, SOLID
2317	40	SODIUM CUPROCYANIDE SOLUTION
2318	23	SODIUM HYDROSULPHIDE
2319	15	TERPENE HYDROCARBONS, N.O.S.
2320	36	TETRAETHYLENEPENTAMINE
2321	36	TRICHLOROBENZENES, LIQUID
2322	35	TRICHLOROBUTENE
2323	39	TRIETHYL PHOSPHITE
2324	15	TRIISOBUTYLENE
2325	17	1,3,5-TRIMETHYLBENZENE
2326	36	TRIMETHYLCYCLOHEXYLAMINE

2	2327	36	TRIMETHYLHEXAMETHYLENEDIAMINES
2	2328	39	TRIMETHYLHEXAMETHYLENE DIISOCYANATE
2	2329	27	TRIMETHYL PHOSPHITE
2	2330	15	UNDECANE
2	2331	37	ZINC CHLORIDE, ANHYDROUS
2	2332	19	ACETALDEHYDE OXIME
2	2333	19	ALLYL ACETATE
2	2334	18	ALLYLAMINE
2	2335	16	ALLYL ETHYL ETHER
2	2336	18	ALLYL FORMATE
2	2337	16	PHENYL MERCAPTAN
2	2338	16	BENZOTRIFLUORIDE
2	2339	17	2-BROMOBUTANE
2	2340	16	2-BROMOETHYL ETHYL ETHER
2	2341	18	1-BROMO-3-METHYLBUTANE
2	2342	19	BROMOMETHYLPROPANES
2	2343	18	2-BROMOPENTANE
2	2344	18	BROMOPROPANES
2	2345	18	3-BROMOPROPYNE
2	2346	14	BUTANEDIONE
2	2347	16	BUTYL MERCAPTAN
2	2348	19P	BUTYL ACRYLATES, STABILIZED
2	2350	14	BUTYL METHYL ETHER
2	2351	17	BUTYL NITRITES
2	2352	14P	BUTYL VINYL ETHER, STABILIZED
2	2353	40	BUTYRYL CHLORIDE
2	2354	17	CHLOROMETHYL ETHYL ETHER
2	2356	18	2-CHLOROPROPANE
2	2357	19	CYCLOHEXYLAMINE
2	2358	15P	CYCLOOCTATETRAENE
2	2359	19	DIALLYLAMINE
2	2360	16P	DIALLYL ETHER
2	2361	19	DIISOBUTYLAMINE
2	2362	18	1,1-DICHLOROETHANE
2	2363	16	ETHYL MERCAPTAN
2	2364	15	n-PROPYLBENZENE
2	2366	15	DIETHYL CARBONATE
2	2367	18	alpha-METHYLVALERALDEHYDE
	2368	14	alpha-PINENE
2	2369*	35	ETHYLENE GLYCOL MONOBUTYL ETHER
2	2370	14	1-HEXENE

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2371	14	ISOPENTENES
2372	18	1,2-DI-(DIMETHYLAMINO) ETHANE
2373	14	DIETHOXYMETHANE
2374	14	3,3-DIETHOXYPROPENE
2375	26	DIETHYL SULPHIDE
2376	14	2,3-DIHYDROPYRAN
2377	14	1,1-DIMETHOXYETHANE
2378	18	2-DIMETHYLAMINOACETONITRILE
2379	18	1,3-DIMETHYLBUTYLAMINE
2380	14	DIMETHYLDIETHOXYSILANE
2381	18	DIMETHYL DISULPHIDE
2382	16	DIMETHYLHYDRAZINE, SYMMETRICAL
2383	18	DIPROPYLAMINE
2384	14	DI-n-PROPYL ETHER
2385	18	ETHYL ISOBUTYRATE
2386	18	1-ETHYLPIPERIDINE
2387	17	FLUOROBENZENE
2388	16	FLUOROTOLUENES
2389	14	FURAN
2390	16	2-IODOBUTANE
2391	16	IODOMETHYLPROPANES
2392	17	IODOPROPANES
2393	18	ISOBUTYL FORMATE
2394	18	ISOBUTYL PROPIONATE
2395	38	ISOBUTYRYL CHLORIDE
2396	19P	METHACRYLALDEHYDE, STABILIZED
2397	14	3-METHYLBUTAN-2-ONE
2398	14	METHYL tert-BUTYL ETHER
2399	18	1-METHYLPIPERIDINE
2400	18	METHYL ISOVALERATE
2401	19	PIPERIDINE
2402	16	PROPANETHIOLS
2403	18P	ISOPROPENYL ACETATE
2404	17	PROPIONITRILE
2405	19	ISOPROPYL BUTYRATE
2406	18	ISOPROPYL ISOBUTYRATE
2407	38	ISOPROPYL CHLOROFORMATE
2408*	14	ISOPROPYL FORMATE
2409	18	ISOPROPYL PROPIONATE
2410	18	1,2,3,6-TETRAHYDROPYRIDINE
2411	17	BUTYRONITRILE

2412	16	TETRAHYDROTHIOPHENE
2413	38	TETRAPROPYL ORTHOTITANATE
2414	16	THIOPHENE
2416	38	TRIMETHYL BORATE
2417	07	CARBONYL FLUORIDE
2418	07	SULPHUR TETRAFLUORIDE
2419	14	BROMOTRIFLUOROETHYLENE
2420	07	HEXAFLUOROACETONE
2421	12	NITROGEN TRIOXIDE
2422	06	OCTAFLUOROBUT-2-ENE (REFRIGERANT GAS R 1318)
2424	06	OCTAFLUOROPROPANE (REFRIGERANT GAS R 218)
2426	50	AMMONIUM NITRATE, LIQUID
2427	31	POTASSIUM CHLORATE, AQUEOUS SOLUTION
2428	31	SODIUM CHLORATE, AQUEOUS SOLUTION
2429	31	CALCIUM CHLORATE, AQUEOUS SOLUTION
2430	36	ALKYLPHENOLS, SOLID, N.O.S.
2431	36	ANISIDINES
2432	36	N,N-DIETHYLANILINE
2433	35	CHLORONITROTOLUENES, LIQUID
2434	39	DIBENZYLDICHLOROSILANE
2435	39	ETHYLPHENYLDICHLOROSILANE
2436	18	THIOACETIC ACID
2437	25	METHYLPHENYLDICHLOROSILANE
2438	38	TRIMETHYLACETYL CHLORIDE
2439	37	SODIUM HYDROGEN DIFLUORIDE
2440	37	STANNIC CHLORIDE PENTAHYDRATE
2441	25	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE,
		PYROPHORIC
2442	39	TRICHLOROACETYL CHLORIDE
2443	40	VANADIUM OXYTRICHLORIDE
2444	40	VANADIUM TETRACHLORIDE
2445*	25	LITHIUM ALKYLS, LIQUID
2446	36	NITROCRESOLS, SOLID
2447	24	PHOSPHORUS, WHITE, MOLTEN
2448	20	SULPHUR, MOLTEN
2449*	37	OXALATES, WATER-SOLUBLE
2451	12	NITROGEN TRIFLUORIDE
2452	04P	ETHYLACETYLENE, STABILIZED
2453	04	ETHYL FLUORIDE (REFRIGERANT GAS R 161)
2454	04	METHYL FLUORIDE (REFRIGERANT GAS R 41)
2455	05	METHYL NITRITE

UN	GUIDE	PROPER SHIPPING NAME
2456	18P	2-CHLOROPROPENE
2457	14	2,3-DIMETHYLBUTANE
2458	14	HEXADIENE
2459	14	2-METHYL-1-BUTENE
2460	14	2-METHYL-2-BUTENE
2461	14	METHYLPENTADIENE
2462*	14	METHYLPENTANES
2463	26	ALUMINIUM HYDRIDE
2464	31	BERYLLIUM NITRATE
2465	31	DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS
2466	28	POTASSIUM SUPEROXIDE
2467*	31	SODIUM PERCARBONATE
2468	31	TRICHLOROISOCYANURIC ACID, DRY
2469	31	ZINC BROMATE
2470	35	PHENYLACETONITRILE, LIQUID
2471	37	OSMIUM TETROXIDE
2472*	34	PINDONE
2473	37	SODIUM ARSANILATE
2474	40	THIOPHOSGENE
2475	40	VANADIUM TRICHLORIDE
2477	17	METHYL ISOTHIOCYANATE
2478	38	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION,
		FLAMMABLE, TOXIC, N.O.S.
2479*	38	ISOCYANATES
2480	38	METHYL ISOCYANATE
2481	38	ETHYL ISOCYANATE
2482	38	n-PROPYL ISOCYANATE
2483	38	ISOPROPYL ISOCYANATE
2484	38	tert-BUTYL ISOCYANATE
2485	38	n-BUTYL ISOCYANATE
2486	38	ISOBUTYL ISOCYANATE
2487	38	PHENYL ISOCYANATE
2488	38	CYCLOHEXYL ISOCYANATE
2489*	39	DIPHENYLMETHANE-4,4'-DIISOCYANATE (MDI)
2490	36	DICHLOROISOPROPYL ETHER
2491	36	ETHANOLAMINE or ETHANOLAMINE SOLUTION
2493	18	HEXAMETHYLENEIMINE
2495	28	IODINE PENTAFLUORIDE
2496	39	PROPIONIC ANHYDRIDE
2497*	37	SODIUM PHENOLATE
2498	19	1,2,3,6-TETRAHYDROBENZALDEHYDE

2501	35	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION
2502	38	VALERYL CHLORIDE
2503	40	ZIRCONIUM TETRACHLORIDE
2504	34	TETRABROMOETHANE
2505	37	AMMONIUM FLUORIDE
2506	37	AMMONIUM HYDROGEN SULPHATE
2507	37	CHLOROPLATINIC ACID, SOLID
2508	39	MOLYBDENUM PENTACHLORIDE
2509	37	POTASSIUM HYDROGEN SULPHATE
2511	36	2-CHLOROPROPIONIC ACID
2512	35	AMINOPHENOLS (o-, m-, p-)
2513	39	BROMOACETYL BROMIDE
2514	17	BROMOBENZENE
2515	37	BROMOFORM
2516	34	CARBON TETRABROMIDE
2517	04	1-CHLORO-1,1-DIFLUOROETHANE (REFRIGERANT GAS R 142b)
2518	36	1,5,9-CYCLODODECATRIENE
2520	19P	CYCLOOCTADIENES
2521	39P	DIKETENE, STABILIZED
2522	36P	2-DIMETHYLAMINOETHYL METHACRYLATE
2524	19	ETHYL ORTHOFORMATE
2525	39	ETHYL OXALATE
2526	19	FURFURYLAMINE
2527	19P	ISOBUTYL ACRYLATE, STABILIZED
2528	19	ISOBUTYL ISOBUTYRATE
2529	17	ISOBUTYRIC ACID
2530*	38	ISOBUTYRIC ANHYDRIDE
2531	36P	METHACRYLIC ACID, STABILIZED
2533	38	METHYL TRICHLOROACETATE
2534	05	METHYLCHLOROSILANE
2535	19	4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)
2536	14	METHYLTETRAHYDROFURAN
2538	20	NITRONAPHTHALENE
2541	15	TERPINOLENE
2542	36	TRIBUTYLAMINE
2545	25	HAFNIUM POWDER, DRY
2546	25	TITANIUM POWDER, DRY
2547	28	SODIUM SUPEROXIDE
2548	12	CHLORINE PENTAFLUORIDE
2550*	32	METHYL ETHYL KETONE PEROXIDES
2551*	32	tert-BUTYL PEROXYDIETHYLACETATE, with tert-BUTYL PEROXYBENZOATE

UN	GUIDE	PROPER SHIPPING NAME		
2552	34	HEXAFLUOROACETONE HYDRATE		
2553*	14	NAPHTHA		
2554	16P	METHYLALLYL CHLORIDE		
2555	52	NITROCELLULOSE WITH WATER		
2556	52	NITROCELLULOSE WITH ALCOHOL		
2557	52	NITROCELLULOSE, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT		
2558	18	EPIBROMOHYDRIN		
2560	17	2-METHYLPENTAN-2-OL		
2561	14	3-METHYL-1-BUTENE		
2562*	33	tert-BUTYL PEROXYISOBUTYRATE		
2563*	32	METHYL ETHYL KETONE PEROXIDE(S)		
2564	36	TRICHLOROACETIC ACID SOLUTION		
2565	36	DICYCLOHEXYLAMINE		
2567	37	SODIUM PENTACHLOROPHENATE		
2570	37	CADMIUM COMPOUND		
2571	39	ALKYLSULPHURIC ACIDS		
2572	36	PHENYLHYDRAZINE		
2573	31	THALLIUM CHLORATE		
2574	34	TRICRESYL PHOSPHATE		
2575*	34	VANADIUM COMPOUNDS, N.O.S.		
2576	40	PHOSPHORUS OXYBROMIDE, MOLTEN		
2577	39	PHENYLACETYL CHLORIDE		
2578	23	PHOSPHORUS TRIOXIDE		
2579	36	PIPERAZINE		
2580	37	ALUMINIUM BROMIDE SOLUTION		
2581	37	ALUMINIUM CHLORIDE SOLUTION		
2582	37	FERRIC CHLORIDE SOLUTION		
2583	36	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID		
2584	36	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID		
2585	36	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID		
2586	36	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID		
2587	36	BENZOQUINONE		
2588	34	PESTICIDE, SOLID, TOXIC, N.O.S.		
2589	39	VINYL CHLOROACETATE		
2590	47	WHITE ASBESTOS		
2591	08	XENON, REFRIGERATED LIQUID		
2592*	32	DISTEARYL PEROXYDICARBONATE		
2593*	33	DI-(2-METHYLBENZOYL) PEROXIDE		
2594*	33	tert-BUTYL PEROXYNEODECANOATE		
2595*	33	DIMYRISTYL PEROXYDICARBONATE		

2596*	32	3-tert-BUTYL PEROXY-3-PHENYLPHTHALIDE
2597*	33	DI-(3,5,-TRIMETHYL-1,2-DIOXOLANYL-3) PEROXIDE
2598*	32	ETHYL-3,3-DI-(tert-BUTYLPEROXY) BUTYRATE
2599	06	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC
2000	00	MIXTURE (REFRIGERANT GAS R 503)
2600*	05	CARBON MONOXIDE AND HYDROGEN MIXTURE, COMPRESSED
2601	04	CYCLOBUTANE
2602	06	DICHLORODIFLUOROMETHANE AND DIFLUOROETHANE AZEOTROPIC MIXTUR
		(REFRIGERANT GAS R 500)
2603	17	CYCLOHEPTATRIENE
2604	27	BORON TRIFLUORIDE DIETHYL ETHERATE
2605	38	METHOXYMETHYL ISOCYANATE
2606	38	METHYL ORTHOSILICATE
2607	19P	ACROLEIN DIMER, STABILIZED
2608	17D	NITROPROPANES
2609	39	TRIALLYL BORATE
2610	19	TRIALLYLAMINE
2611	17	PROPYLENE CHLOROHYDRIN
2612	14	METHYL PROPYL ETHER
2614	17	METHALLYL ALCOHOL
2615	14	ETHYL PROPYL ETHER
2616	15	TRIISOPROPYL BORATE
2617	17	METHYLCYCLOHEXANOLS
2618	17P	VINYLTOLUENES, STABILIZED
2619	36	BENZYLDIMETHYLAMINE
2620	19	AMYL BUTYRATES
2621	15P	ACETYL METHYL CARBINOL
2622	19P	GLYCIDALDEHYDE
2623	20	FIRELIGHTERS, SOLID
2624	26	MAGNESIUM SILICIDE
2626	31	CHLORIC ACID, AQUEOUS SOLUTION
2627	31	NITRITES, INORGANIC, N.O.S.
2628	34	POTASSIUM FLUOROACETATE
2629	34	SODIUM FLUOROACETATE
2630	34	SELENATES or SELENITES
2642	39	FLUOROACETIC ACID
2643	39	METHYL BROMOACETATE
2644	34	METHYL IODIDE
2645	36	PHENACYL BROMIDE
2646	34	HEXACHLOROCYCLOPENTADIENE
2647	36	MALONONITRILE

UN	GUIDE	PROPER SHIPPING NAME
2648	37	1,2-DIBROMOBUTAN-3-ONE
2649	36	1,3-DICHLOROACETONE
2650	36	1,1-DICHLORO-1-NITROETHANE
2651	36	4,4'-DIAMINODIPHENYLMETHANE
2653	39	BENZYL IODIDE
2655	34	POTASSIUM FLUOROSILICATE
2656	36	QUINOLINE
2657	36	SELENIUM DISULPHIDE
2658*	35	SELENIUM, METAL, POWDER, NON-PYROPHORIC
2659	34	SODIUM CHLOROACETATE
2660	36	NITROTOLUIDINES (MONO)
2661	37	HEXACHLOROACETONE
2662*	36	HYDROQUINONE
2664	37	DIBROMOMETHANE
2666*	39	ETHYL CYANOACETATE
2667	35	BUTYLTOLUENES
2668	19	CHLOROACETONITRILE
2669	35	CHLOROCRESOLS, SOLUTION
2670	40	CYANURIC CHLORIDE
2671	36	AMINOPYRIDINES (o-, m-, p-)
2672	37	AMMONIA SOLUTION
2673	34	2-AMINO-4-CHLOROPHENOL
2674	37	SODIUM FLUOROSILICATE
2675*	36	TRIETHYLENE DIAMINE
2676	05	STIBINE
2677	37	RUBIDIUM HYDROXIDE SOLUTION
2678	37	RUBIDIUM HYDROXIDE
2679	37	LITHIUM HYDROXIDE SOLUTION
2680	37	LITHIUM HYDROXIDE
2681	40	CAESIUM HYDROXIDE SOLUTION
2682	40	CAESIUM HYDROXIDE
2683	19	AMMONIUM SULPHIDE SOLUTION
2684	19	3-DIETHYLAMINOPROPYLAMINE
2685	19	N,N-DIETHYLETHYLENEDIAMINE
2686	19	2-DIETHYLAMINOETHANOL
2687	20	DICYCLOHEXYLAMMONIUM NITRITE
2688	34	1-BROMO-3-CHLOROPROPANE
2689	36	GLYCEROL alpha-MONOCHLOROHYDRIN
2690	35	N,n-BUTYLIMIDAZOLE
2691	40	PHOSPHORUS PENTABROMIDE
2692	40	BORON TRIBROMIDE

2693	37	BISULPHITES, AQUEOUS SOLUTION, N.O.S.
2698	39	TETRAHYDROPHTHALIC ANHYDRIDES
2699	37	TRIFLUOROACETIC ACID
2703*	16	ISOPROPYL MERCAPTAN
2704*	16	PROPYL MERCAPTAN
2705	19P	1-PENTOL
2706*	16	DIETHYLCARBINOL (3-Pentanol)
2707	15	DIMETHYLDIOXANES
2708*	15	BUTOXYL
2709	15	BUTYLBENZENES
2710	15	DIPROPYL KETONE
2711*	15	DIBROMOBENZENE
2713	36	ACRIDINE
2714	20	ZINC RESINATE
2715	20	ALUMINIUM RESINATE
2716	36	1,4-BUTYNEDIOL
2717	20	CAMPHOR
2718*	25	TRIPROPYL ALUMINIUM
2719	31	BARIUM BROMATE
2720	31	CHROMIUM NITRATE
2721	31	COPPER CHLORATE
2722	31	LITHIUM NITRATE
2723	31	MAGNESIUM CHLORATE
2724	31	MANGANESE NITRATE
2725	31	NICKEL NITRATE
2726	31	NICKEL NITRITE
2727	31	THALLIUM NITRATE
2728	31	ZIRCONIUM NITRATE
2729	35	HEXACHLOROBENZENE
2730	35	NITROANISOLES, LIQUID
2732	35	NITROBROMOBENZENE, LIQUID
2733	18	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE,
		CORROSIVE, N.O.S.
2734	18	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID,
		CORROSIVE, FLAMMABLE, N.O.S.
2735	36	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S
2738	36	N-BUTYLANILINE
2739	39	BUTYRIC ANHYDRIDE
2740	38	n-PROPYL CHLOROFORMATE
2741	31	BARIUM HYPOCHLORITE
2742	38	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.

UN	GUIDE	PROPER SHIPPING NAME			
2743	39	n-BUTYL CHLOROFORMATE			
2744	38	CYCLOBUTYL CHLOROFORMATE			
2745	40	CHLOROMETHYL CHLOROFORMATE			
2746	39	PHENYL CHLOROFORMATE			
2747	39	tert-BUTYLCYCLOHEXYL CHLOROFORMATE			
2748	39	2-ETHYLHEXYL CHLOROFORMATE			
2749	16	TETRAMETHYLSILANE			
2750	36	1,3-DICHLOROPROPANOL-2			
2751	38	DIETHYLTHIOPHOSPHORYL CHLORIDE			
2752	15	1,2-EPOXY-3-ETHOXYPROPANE			
2753	36	N-ETHYLBENZYLTOLUIDINES, LIQUID			
2754	36	N-ETHYLTOLUIDINES			
2755*	32	3-CHLOROPEROXYBENZOIC, ACID			
2756*	32	ORGANIC PEROXIDES, MIXTURES			
2757	34	CARBAMATE PESTICIDE, SOLID, TOXIC			
2758	16	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2759	34	ARSENICAL PESTICIDE, SOLID, TOXIC			
2760	16	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2761	34	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC			
2762	18	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2763	34	TRIAZINE PESTICIDE, SOLID, TOXIC			
2764	16	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2765*	35	PHENOXY PESTICIDE, SOLID, TOXIC			
2766*	16	PHENOXY PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2767*	34	PHENYL UREA PESTICIDE, SOLID, TOXIC			
2768*	16	PHENYL UREA PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2769*	34	BENZOIC DERIVATIVE PESTICIDE, SOLID, TOXIC			
2770*	16	BENZOIC DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2771	34	THIOCARBAMATE PESTICIDE, SOLID, TOXIC			
2772	16	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2773*	34	PHTHALIMIDE DERIVATIVE PESTICIDE, SOLID, TOXIC			
2774*	16	PHTHALIMIDE DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2775	34	COPPER BASED PESTICIDE, SOLID, TOXIC			
2776	16	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2777	34	MERCURY BASED PESTICIDE, SOLID, TOXIC			
2778	16	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2779	36	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC			
2780	18	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2781	34	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC			
2782	16	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
2783	35	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC			

2784	16	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC
2785	19	4-THIAPENTANAL
2786	36	ORGANOTIN PESTICIDE, SOLID, TOXIC
2787	16	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC
2788	36	ORGANOTIN COMPOUND, LIQUID, N.O.S.
2789	19	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION
2790	36	ACETIC ACID SOLUTION
2791*	20	AIRCRAFT THRUST DEVICE
2792*	20	IGNITER FOR AIRCRAFT THRUST DEVICE
2793	29	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS
2794	37	BATTERIES, WET, FILLED WITH ACID
2795	37	BATTERIES, WET, FILLED WITH ALKALI
2796	37	SULPHURIC ACID or BATTERY FLUID, ACID
2797	37	BATTERY FLUID, ALKALI
2798	39	PHENYLPHOSPHORUS DICHLORIDE
2799	39	PHENYLPHOSPHORUS THIODICHLORIDE
2800	37	BATTERIES, WET, NON-SPILLABLE
2801	37	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE,
		N.O.S.
2802	37	COPPER CHLORIDE
2803	30	GALLIUM
2805	26	LITHIUM HYDRIDE, FUSED SOLID
2806	27	LITHIUM NITRIDE
2807	47	MAGNETIZED MATERIAL
2809	30	MERCURY
2810	36	TOXIC LIQUID, ORGANIC, N.O.S.
2811	36	TOXIC SOLID, ORGANIC, N.O.S.
2812	37	SODIUM ALUMINATE, SOLID
2813	26	WATER-REACTIVE SOLID, N.O.S.
2814	41	INFECTIOUS SUBSTANCE, AFFECTING HUMANS
2815	36	N-AMINOETHYLPIPERAZINE
2817	37	AMMONIUM HYDROGEN DIFLUORIDE SOLUTION
2818	37	AMMONIUM POLYSULPHIDE SOLUTION
2819	36	AMYL ACID PHOSPHATE
2820	36	BUTYRIC ACID
2821	36	PHENOL SOLUTION
2822	36	2-CHLOROPYRIDINE
2823	36	CROTONIC ACID, SOLID
2825*	14	DIISOPROPYLETHANOLAMINE
2826	38	ETHYL CHLOROTHIOFORMATE
2829	36	CAPROIC ACID
	37 36 36 36 36 36 14 38	AMMONIUM POLYSULPHIDE SOLUTION AMYL ACID PHOSPHATE BUTYRIC ACID PHENOL SOLUTION 2-CHLOROPYRIDINE CROTONIC ACID, SOLID DIISOPROPYLETHANOLAMINE ETHYL CHLOROTHIOFORMATE

UN	GUIDE	PROPER SHIPPING NAME
2830	27	LITHIUM FERROSILICON
2831	34	1,1,1-TRICHLOROETHANE
2834	37	PHOSPHOROUS ACID
2835	26	SODIUM ALUMINIUM HYDRIDE
2837	37	BISULPHATES, AQUEOUS SOLUTION
2838	18P	VINYL BUTYRATE, STABILIZED
2839	36	ALDOL
2840	19	BUTYRALDOXIME
2841	19	DI-n-AMYLAMINE
2842	17D	NITROETHANE
2844	26	CALCIUM MANGANESE SILICON
2845	23	PYROPHORIC LIQUID, ORGANIC, N.O.S.
2846	23	PYROPHORIC SOLID, ORGANIC, N.O.S.
2849	36	3-CHLOROPROPANOL-1
2850	15	PROPYLENE TETRAMER
2851	40	BORON TRIFLUORIDE DIHYDRATE
2852	52	DIPICRYL SULPHIDE, WETTED
2853	34	MAGNESIUM FLUOROSILICATE
2854	37	AMMONIUM FLUOROSILICATE
2855	37	ZINC FLUOROSILICATE
2856	34	FLUOROSILICATES, N.O.S.
2857	06	REFRIGERATING MACHINES
2858	29	ZIRCONIUM, DRY
2859	37	AMMONIUM METAVANADATE
2860*	37	VANADIUM TRIOXIDE
2861	34	AMMONIUM POLYVANADATE
2862	34	VANADIUM PENTOXIDE
2863	37	SODIUM AMMONIUM VANADATE
2864	34	POTASSIUM METAVANADATE
2865	37	HYDROXYLAMINE SULPHATE
2867*	15	INK
2868*	15	RESIN
2869	40	TITANIUM TRICHLORIDE MIXTURE
2870	25	ALUMINIUM BOROHYDRIDE or ALUMINIUM BOROHYDRIDE IN DEVICES
2871	29	ANTIMONY POWDER
2872	36	DIBROMOCHLOROPROPANES
2873	36	DIBUTYLAMINOETHANOL
2874	36	FURFURYL ALCOHOL
2875	34	HEXACHLOROPHENE
2876	36	RESORCINOL
2877*	36	THIOUREA

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2878	29	TITANIUM SPONGE GRANULES or TITANIUM SPONGE POWDERS
2879	40	SELENIUM OXYCHLORIDE
2880	31	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATEI MIXTURE
2881	29D	METAL CATALYST, DRY
2883*	32	2,2-DI-(tert-BUTYLPEROXY) PROPANE
2884*	32	2,2-DI-(tert-BUTYLPEROXY) PROPANE
2885*	32	2,2-DI-(tert-BUTYLPEROXY) PROPANE
2886*	33	tert-BUTYL-PEROXY-2-ETHYL HEXANOATE
2887*	32	tert-BUTYL-PEROXY-2-ETHYL HEXANOATE
2888*	33	tert-BUTYL-PEROXY-(2-ETHYL) HEXANOATE
2889*	33	DI-ISO-TRIDECYL PEROXYDICARBONATE
2890*	32	tert-BUTYL PEROXYBENZOATE
2891*	33	tert-AMYL PEROXYNEODECANOATE
2892*	33	DIMYRISTYL PEROXYDICARBONATE
2893*	32	DILAUROYL PEROXIDE
2894*	33	DI-(4-tert-BUTYL CYCLOHEXYL) PEROXYDICARBONATE
2895*	33	DICETYL PEROXYDICARBONATE
2896*	32	CYCLOHEXANONE PEROXIDE
2897*	32	1,2-DI-(tert-BUTYLPEROXY) CYCLOHEXANE
2898*	33	tert-AMYL PEROXY-2-ETHYLHEXANOATE
2899*	32	ORGANIC PEROXIDES
2900	41	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS
2901	12	BROMINE CHLORIDE
2902	34	PESTICIDE, LIQUID, TOXIC, N.O.S.
2903	17	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S.
2904	37	CHLOROPHENOLATES, LIQUID or PHENOLATES, LIQUID
2905	37	CHLOROPHENOLATES, SOLID or PHENOLATES, SOLID
2906*	15	TRIISOCYANATOISOCYANURATE OF ISOPHORONEDIISOCYANATE, SOLUTION
2907	52	ISOSORBIDE DINITRATE MIXTURE
2908	42	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING
2909	43	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM
2910	43	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL
2911	43	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES
2912	43	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I)
2913	42	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-I
2915	42	RADIOACTIVE MATERIAL, TYPE A PACKAGE
2916	42	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE
2917	42	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE

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2918*	42	RADIOACTIVE MATERIAL, FISSILE, N.O.S.			
2919	42	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT			
2920	18	CORROSIVE LIQUID, FLAMMABLE, N.O.S.			
2921	36	CORROSIVE SOLID, FLAMMABLE, N.O.S.			
2922	37	CORROSIVE LIQUID, TOXIC, N.O.S.			
2923	37	CORROSIVE SOLID, TOXIC, N.O.S.			
2924	18	FLAMMABLE LIQUID, CORROSIVE, N.O.S.			
2925	36	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.			
2926	20	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.			
2927	36	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.			
2928	36	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.			
2929	17	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.			
2930	20	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.			
2931	34	VANADYL SULPHATE			
2933	19	METHYL 2-CHLOROPROPIONATE			
2934	19	ISOPROPYL 2-CHLOROPROPIONATE			
2935	19	ETHYL 2-CHLOROPROPIONATE			
2936	36	THIOLACTIC ACID			
2937	36	alpha-METHYLBENZYL ALCOHOL, LIQUID			
2938*	36	METHYL BENZOATE			
2940	23	9-PHOSPHABICYCLONONANES (CYCLOOCTADIENE PHOSPHINES)			
2941	36	FLUOROANILINES			
2942	36	2-TRIFLUOROMETHYLANILINE			
2943	17	TETRAHYDROFURFURYLAMINE			
2944*	36	4-FLUOROANILINE			
2945	18	N-METHYLBUTYLAMINE			
2946	36	2-AMINO-5-DIETHYLAMINOPENTANE			
2947	17	ISOPROPYL CHLOROACETATE			
2948	36	3-TRIFLUOROMETHYLANILINE			
2949	37	SODIUM HYDROSULPHIDE			
2950	26	MAGNESIUM GRANULES, COATED			
2951*	20	DIPHENYLOXIDE-4,4'-DISULPHOHYDRAZIDE			
2952*	21	AZODIISOBUTYRONITRILE			
2953*	20	2,2'-AZODI-(2,4-DIMETHYL VALERONITRILE)			
2954*	20	1,1'-AZODI-(HEXAHYDROBENZONITRILE)			
2955*	20	1,1'-AZODI-(2,4-DIMETHYL-4-METHOXYVALERONITRILE)			
2956	52	5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)			
2957*	33	tert-AMYL PEROXYPIVALATE			
2958*	33	DIPEROXY AZELAIC ACID			
2959*	32	2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE			
2960*	33	DI-(2-ETHYLHEXYL) PEROXYDICARBONATE			

2961*	33	2,4,4-TRIMETHYLPENTYL-2-PEROXY PHENOXY ACETATE
2962*	33	DISUCCINIC ACID PEROXIDE
2963*	33	CUMYL PEROXYNEODECANOATE
2964*	33	CUMYL PEROXYPIVALATE
2965	26	BORON TRIFLUORIDE DIMETHYL ETHERATE
2966	36	THIOGLYCOL
2967	37	SULPHAMIC ACID
2968	25	MANEB, STABILIZED or MANEB PREPARATION, STABILIZED
2969	35	CASTOR BEANS or CASTOR MEAL or CASTOR POMACE or CASTOR FLAKE
2970*	20	BENZENE SULPHOHYDRAZIDE
2971*	20	BENZENE-1,3-DISULPHOHYDRAZIDE
2972*	21	N,N'-DINITROSO-PENTAMETHYLENE TETRAMINE
2973*	21	N,N'-DINITROSO-N,N'-DIMETHYL TEREPHTHALIMIDE
2974*	42	RADIOACTIVE MATERIAL, SPECIAL FORM, N.O.S.
2975*	45	THORIUM METAL, PYROPHORIC
2976*	44	THORIUM NITRATE, SOLID
2977	46	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE
2978	46	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE
2979*	45	URANIUM METAL, PYROPHORIC
2980*	42	URANYL NITRATE HEXAHYDRATE SOLUTION
2981*	44	URANYL NITRATE, SOLID
2982*	42	RADIOACTIVE MATERIAL, N.O.S.
2983	16P	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE
2984	31	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
2985	25	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.
2986	25	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.
2987	39	CHLOROSILANES, CORROSIVE, N.O.S.
2988	26	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.
2989	20	LEAD PHOSPHITE, DIBASIC
2990	47	LIFE-SAVING APPLIANCES, SELF-INFLATING
2991	17	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
2992	34	CARBAMATE PESTICIDE, LIQUID, TOXIC
2993	17	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE
2994	34	ARSENICAL PESTICIDE, LIQUID, TOXIC
2995	19	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
2996	34	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC
2997	17	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
2998	34	TRIAZINE PESTICIDE, LIQUID, TOXIC
2999*	17	PHENOXY PESTICIDE, LIQUID, TOXIC, FLAMMABLE
30XY	47	HAZARDOUS WASTE
3000*	35	PHENOXY PESTICIDE, LIQUID, TOXIC

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3001*	17	PHENYL UREA PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3002*	34	PHENYL UREA PESTICIDE, LIQUID, TOXIC			
3003*	17	BENZOIC DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3004*	34	BENZOIC DERIVATIVE PESTICIDE, LIQUID, TOXIC			
3005	17	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3006	34	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC			
3007*	17	PHTHALIMIDE DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3008*	34	PHTHALIMIDE DERIVATIVE PESTICIDE, LIQUID, TOXIC			
3009	17	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3010	34	COPPER BASED PESTICIDE, LIQUID, TOXIC			
3011	17	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3012	34	MERCURY BASED PESTICIDE, LIQUID, TOXIC			
3013	19	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3014	36	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC			
3015	17	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3016	34	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC			
3017	17	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3018	35	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC			
3019	17	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3020	36	ORGANOTIN PESTICIDE, LIQUID, TOXIC			
3021	16	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S.			
3022	14P	1,2-BUTYLENE OXIDE, STABILIZED			
3023	17	2-METHYL-2-HEPTANETHIOL			
3024	16	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC			
3025	17	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE			
3026	34	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC			
3027	34	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC			
3028	37	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID			
3030*	20	2,2'-AZODI-(2,METHYLBUTYRONITRILE)			
3031*	21	SELF-REACTIVE SUBSTANCES, SAMPLES, N.O.S.			
3032*	21	SELF-REACTIVE SUBSTANCES, TRIAL QUANTITIES, N.O.S.			
3033*	21	3-CHLORO-4-DIETHYLAMINOBENZENE-DIAZONIUM ZINC CHLORIDE			
3034*	21	4-DIPROPYLAMINO-BENZENE-DIAZONIUM ZINC CHLORIDE			
3035*	22	3-(2-HYDROXYETHOXY)-4-PYRROLIDIN-1-YL-BENZENE-DIAZONIUM ZINC CHLORIDE			
3036*	20	2,5-DIETHOXY-4-MORPHOLINOBENZENE-DIAZONIUM ZINC CHLORIDE			
3037*	20	4-[BENZYL(ETHYL)AMINO]-3-ETHOXY-BENZENE-DIAZONIUM ZINC CHLORIDE			
3038*	20	4-[BENZYL(METHYL)AMINO]-3-ETHOXY-BENZENE-DIAZONIUM ZINC CHLORIDE			
3039*	22	4-DIMETHYLAMINO-6-(2-DIMETHYLAMINOETHOXY) TOLUENE-2-DIAZONIUM ZINC CHLORIDE			
3040*	21	SODIUM-2-DIAZO-1-NAPHTHOL-4-SULPHONATE			

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3041*	21	SODIUM-2-DIAZO-1-NAPHTHOL-5-SULPHONATE		
3042*	21	2'DIAZO-1-1-NAPHTHIDE-4-SULPHOCHORIDE		
3043*	21	2'DIAZO-1-1-NAPHTHIDE-5-SULPHOCHORIDE		
3044*	32	tert-AMYLPEROXYBENZOATE		
3045*	32	PEROXYACETIC ACID		
3046*	33	METHYLCYCLOHEXANONE PEROXIDES		
3047*	33	tert-BUTYL PEROXYPIVALATE		
3048	27	ALUMINIUM PHOSPHIDE PESTICIDE		
3049*	26	METAL ALKYL HALIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HALIDES, WATER-REACTIVE, N.O.S.		
3050*	26	METAL ALKYL HYDRIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HYDRIDES, WATER-REACTIVE, N.O.S.		
3051*	25	ALUMINIUM ALKYLS		
3052*	25	ALUMINIUM ALKYL HALIDES, LIQUID		
3053*	25	MAGNESIUM ALKYLS		
3054	17	CYCLOHEXYL MERCAPTAN		
3055	36	2-(2-AMINOETHOXY)ETHANOL		
3056	19	n-HEPTALDEHYDE		
3057	07	TRIFLUOROACETYL CHLORIDE		
3058*	32	DI-(2-PHENOXYETHYL)-PEROXYDICARBONATE		
3059*	32	DI-(2-PHENOXYETHYL)-PEROXYDICARBONATE		
3060*	32	2,5-DIMETHYL-2,5-DI-(3,5,5-TRIETHYL HEXANOYLPEROXY)-HEXANE		
3061*	32	ACETYL ACETONE PEROXIDE		
3062*	32	tert-BUTYLPEROXY STEARYL CARBONATE		
3063*	33	DIPEROXY DODECANE DIACID		
3064	52	NITROGLYCERIN, SOLUTION IN ALCOHOL		
3065	14	ALCOHOLIC BEVERAGES		
3066	36	PAINT or PAINT RELATED MATERIAL		
3067*	32	tert-AMYL HYDROPEROXIDE		
3068*	32	METHYL ETHYL KETONE PEROXIDES		
3069*	32	1,1-DI-(4-tert-BUTYLPEROXY) CYCLOHEXANE		
3070	07	ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE		
3071	16	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.		
3072	47	LIFE-SAVING APPLIANCES, NOT SELF-INFLATING		
3073	18P	VINYLPYRIDINES, STABILIZED		
3076*	26	ALUMINIUM ALKYL HYDRIDES		
3077	47	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		
3078	26	CERIUM		
3079	16P	METHACRYLONITRILE, STABILIZED		
3080	38	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC,		

		FLAMMABLE, N.O.S.			
3082	47	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.			
3083	12	PERCHLORYL FLUORIDE			
3084	31	CORROSIVE SOLID, OXIDIZING, N.O.S.			
3085	31	OXIDIZING SOLID, CORROSIVE, N.O.S.			
3086	31	OXIC SOLID, OXIDIZING, N.O.S.			
3087	31	XIDIZING SOLID, TOXIC, N.O.S.			
3088	23	SELF-HEATING SOLID, ORGANIC, N.O.S.			
3089	29	METAL POWDER, FLAMMABLE, N.O.S.			
3090	26	LITHIUM METAL BATTERIES			
3091	26	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT			
3092	16	1-METHOXY-2-PROPANOL			
3093	31	CORROSIVE LIQUID, OXIDIZING, N.O.S.			
3094	26	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.			
3095	23	CORROSIVE SOLID, SELF-HEATING, N.O.S.			
3096	26	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.			
3097	31	FLAMMABLE SOLID, OXIDIZING, N.O.S.			
3098	31	OXIDIZING LIQUID, CORROSIVE, N.O.S.			
3099	31	OXIDIZING LIQUID, TOXIC, N.O.S.			
3100	31	OXIDIZING SOLID, SELF-HEATING, N.O.S.			
3101	32	ORGANIC PEROXIDE TYPE B, LIQUID			
3102	32	ORGANIC PEROXIDE TYPE B, SOLID			
3103	32	ORGANIC PEROXIDE TYPE C, LIQUID			
3104	32	ORGANIC PEROXIDE TYPE C, SOLID			
3105	32	ORGANIC PEROXIDE TYPE D, LIQUID			
3106	32	ORGANIC PEROXIDE TYPE D, SOLID			
3107	32	ORGANIC PEROXIDE TYPE E, LIQUID			
3108	32	ORGANIC PEROXIDE TYPE E, SOLID			
3109	32	ORGANIC PEROXIDE TYPE F, LIQUID			
3110	32	ORGANIC PEROXIDE TYPE F, SOLID			
3111	33	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED			
3112	33	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED			
3113	33	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED			
3114	33	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED			
3115	33	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED			
3116	33	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED			
3117	33	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED			
3118	33	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED			
3119	33	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED			
3120	33	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED			
3120	33	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED			

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3121	28	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.		
3122	31	TOXIC LIQUID, OXIDIZING, N.O.S.		
3123	26	TOXIC LIQUID, WATER-REACTIVE, N.O.S.		
3124	23	TOXIC SOLID, SELF-HEATING, N.O.S.		
3125	26	TOXIC SOLID, WATER-REACTIVE, N.O.S.		
3126	23	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.		
3127	23	SELF-HEATING SOLID, OXIDIZING, N.O.S.		
3128	23	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.		
3129	26	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.		
3130	26	WATER-REACTIVE LIQUID, TOXIC, N.O.S.		
3131	26	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.		
3132	26	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.		
3133	26	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.		
3134	26	WATER-REACTIVE SOLID, TOXIC, N.O.S.		
3135	26	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.		
3136	06	TRIFLUOROMETHANE, REFRIGERATED LIQUID		
3137	31	OXIDIZING SOLID, FLAMMABLE, N.O.S.		
3138	04	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID		
3139	31	OXIDIZING LIQUID, N.O.S.		
3140	34	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.		
3141	40	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.		
3142	34	DISINFECTANT, LIQUID, TOXIC, N.O.S.		
3143	34	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.		
3144	34	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.		
3145	36	ALKYLPHENOLS, LIQUID, N.O.S.		
3146	36	ORGANOTIN COMPOUND, SOLID, N.O.S.		
3147	37	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.		
3148	26	WATER-REACTIVE LIQUID, N.O.S.		
3149	31	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED		
3150	04	DEVICES, SMALL, HYDROCARBON GAS POWERED or HYDROCARBON GAS REFILLS FOR SMALL DEVICES		
3151	48	POLYHALOGENATED BIPHENYLS, LIQUID or POLYHALOGENATED TERPHENYLS, LIQUID		
3152	48	POLYHALOGENATED BIPHENYLS, SOLID or POLYHALOGENATED TERPHENYLS, SOLID		
3153	04	PERFLUORO(METHYL VINYL ETHER)		
3154	04	PERFLUORO(ETHYL VINYL ETHER)		
3155	37	PENTACHLOROPHENOL		
3156	10	COMPRESSED GAS, OXIDIZING, N.O.S.		
3157	10	LIQUEFIED GAS, OXIDIZING, N.O.S.		

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3158	06	GAS, REFRIGERATED LIQUID, N.O.S.		
3159	06	1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)		
3160	05	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.		
3161	04	LIQUEFIED GAS, FLAMMABLE, N.O.S.		
3162	07	LIQUEFIED GAS, TOXIC, N.O.S.		
3163	06	LIQUEFIED GAS, N.O.S.		
3164	06	ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC		
3165	18	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK		
3166	14	ENGINE, INTERNAL COMBUSTION or VEHICLE, FLAMMABLE GAS, POWERED or VEHICLE, FLAMMABLE LIQUID, POWERED or ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or VEHICLE, FUEL CELL, FLAMMABLE GAS, POWERED or VEHICLE, FUEL CELL, FLAMMABLE LIQUID, POWERED		
3167	04	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S.		
3168	05	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S.		
3169	07	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S.		
3170	26	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS		
3171	37	BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT		
3172	36	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.		
3174	23	TITANIUM DISULPHIDE		
3175	20	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.		
3176	20	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.		
3178	20	FLAMMABLE SOLID, INORGANIC, N.O.S.		
3179	20	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.		
3180	36	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.		
3181	20	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.		
3182	29	METAL HYDRIDES, FLAMMABLE, N.O.S.		
3183	23	SELF-HEATING LIQUID, ORGANIC, N.O.S.		
3184	23	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.		
3185	23	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.		
3186	23	SELF-HEATING LIQUID, INORGANIC, N.O.S.		
3187	23	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.		
3188	23	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.		
3189	23	METAL POWDER, SELF-HEATING, N.O.S.		
3190	23	SELF-HEATING SOLID, INORGANIC, N.O.S.		
3191	23	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.		
3192	23	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.		
3194	23	PYROPHORIC LIQUID, INORGANIC, N.O.S.		
3200	23	PYROPHORIC SOLID, INORGANIC, N.O.S.		
3203*	23	PYROPHORIC ORGANOMETALLIC COMPOUND, WATER-REACTIVE, N.O.S.		
3205	38	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.		

 3206 38 ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE 3207* 26 ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION OF DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S. 3208 26 METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S. 3209 26 METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, 3210 31 CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3211 31 PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 	N.O.S.		
DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.320826320926321031CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	N.O.S.		
320826METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.320926METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING,321031CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.			
320926METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING,321031CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.			
3210 31 CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.			
	3.		
3211 31 PERCHI OBATES INORGANIC ADUEDUS SOLUTION N.O.S.	3.		
	δ.		
3212 31 HYPOCHLORITES, INORGANIC, N.O.S.	5.		
3213 31 BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	S.		
3214 31 PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S			
3215 31 PERSULPHATES, INORGANIC, N.O.S.			
3216 31 PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.			
3217* 29 PERCARBONATES, INORGANIC, N.O.S.			
3218 31 NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.			
3219 31 NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.			
3220 06 PENTAFLUOROETHANE (REFRIGERANT GAS R 125)			
3221 21 SELF-REACTIVE LIQUID TYPE B			
3222 21 SELF-REACTIVE SOLID TYPE B			
3223 21 SELF-REACTIVE LIQUID TYPE C			
3224 21 SELF-REACTIVE SOLID TYPE C			
3225 21 SELF-REACTIVE LIQUID TYPE D	SELF-REACTIVE LIQUID TYPE D		
3226 21 SELF-REACTIVE SOLID TYPE D	SELF-REACTIVE SOLID TYPE D		
3227 21 SELF-REACTIVE LIQUID TYPE E	SELF-REACTIVE LIQUID TYPE E		
3228 21 SELF-REACTIVE SOLID TYPE E	SELF-REACTIVE SOLID TYPE E		
3229 21 SELF-REACTIVE LIQUID TYPE F	SELF-REACTIVE LIQUID TYPE F		
3230 21 SELF-REACTIVE SOLID TYPE F	SELF-REACTIVE SOLID TYPE F		
3231 22 SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLL	SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED		
3232 22 SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLE	ED		
3233 22 SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLL	.ED		
3234 22 SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLE	ED		
3235 22 SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLL	.ED		
3236 22 SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLE	ED		
3237 22 SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLL	ED		
3238 22 SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLE	Ð		
3239 22 SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLL	ED		
3240 22 SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLE	D		
3241 36 2-BROMO-2-NITROPROPANE-1,3-DIOL			
3242 21 AZODICARBONAMIDE			
3243 34 SOLIDS CONTAINING TOXIC LIQUID, N.O.S.			
3244 37 SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.			
3245 47 GENETICALLY MODIFIED MICROORGANISMS or GENETICAL ORGANISMS	LY MODIFIED		

UN	GUIDE	PROPER SHIPPING NAME			
3246	39	METHANESULPHONYL CHLORIDE			
3247	31	DIUM PEROXOBORATE, ANHYDROUS			
3248	16	ICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.			
3249	34	MEDICINE, SOLID, TOXIC, N.O.S.			
3250	36	CHLOROACETIC ACID, MOLTEN			
3251	20	ISOSORBIDE-5-MONONITRATE			
3252	04	DIFLUOROMETHANE (REFRIGERANT GAS R 32)			
3253	37	DISODIUM TRIOXOSILICATE			
3254	25	TRIBUTYLPHOSPHANE			
3255	25	tert-BUTYL HYPOCHLORITE			
3256	15	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S.			
3257	15	ELEVATED TEMPERATURE LIQUID, N.O.S.			
3258	47	ELEVATED TEMPERATURE SOLID, N.O.S.			
3259	37	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.			
3260	37	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.			
3261	37	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.			
3262	37	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.			
3263	37	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.			
3264	37	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.			
3265	37	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.			
3266	37	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.			
3267	37	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.			
3268	47	AIR-BAG INFLATORS, or AIR-BAG MODULES, or SEAT-BELT PRETENSIONERS			
3269	15	POLYESTER RESIN KIT			
3270	52	NITROCELLULOSE MEMBRANE FILTERS			
3271	14	ETHERS, N.O.S.			
3272	14	ESTERS, N.O.S.			
3273	16	NITRILES, FLAMMABLE, TOXIC, N.O.S.			
3274	16	ALCOHOLATES SOLUTION, N.O.S.			
3275	16	NITRILES, TOXIC, FLAMMABLE, N.O.S.			
3276	35	NITRILES, TOXIC, LIQUID, N.O.S.			
3277	36	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.			
3278	35	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.			
3279	38	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.			
3280	36	ORGANOARSENIC COMPOUND, LIQUID,N.O.S.			
3281	36	METAL CARBONYLS, LIQUID, N.O.S.			
3282	34	ORGANOMETALLIC COMPOUND, TOXIC, LIQUID, N.O.S.			
3283	34	SELENIUM COMPOUND, SOLID, N.O.S.			
3284	34	TELLURIUM COMPOUND, N.O.S.			
3285	34	VANADIUM COMPOUND, N.O.S.			
3286	18	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.			

3287	34	TOXIC LIQUID, INORGANIC, N.O.S.			
3288	34	TOXIC SOLID, INORGANIC, N.O.S.			
3289	37	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.			
3290	37	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.			
3291	41	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE. N.O.S.			
		REGULATED MEDICAL WASTE, N.O.S.			
3292	26	BATTERIES, CONTAINING SODIUM or CELLS, CONTAINING SODIUM			
3293	34	HYDRAZINE, AQUEOUS SOLUTION			
3294	16	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL			
3295	14	HYDROCARBONS, LIQUID, N.O.S.			
3296	08	HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)			
3297	06	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE			
3298	06	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE			
3299	06	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE			
3300	05D	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE			
3301	25	CORROSIVE LIQUID, SELF-HEATING, N.O.S.			
3302	36	2-DIMETHYLAMINOETHYL ACRYLATE			
3303	12	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.			
3304	07	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.			
3305	05	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.			
3306	12	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.			
3307	12	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.			
3308	07	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.			
3309	05	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.			
3310	12	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.			
3311	10	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.			
3312	04	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.			
3313	23	ORGANIC PIGMENTS, SELF-HEATING			
3314	20	PLASTICS MOULDING COMPOUND			
3315	34	CHEMICAL SAMPLE, TOXIC			
3316	47	CHEMICAL KIT or FIRST AID KIT			
3317	52	2-AMINO-4,6-DINITROPHENOL, WETTED			
3318	36	AMMONIA SOLUTION			
3319	52	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S.			
3320	37	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION			
3321	43	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II)			
3322	43	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III)			
3323	43	RADIOACTIVE MATERIAL, TYPE C PACKAGE			
3324	43	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE			
3325	43	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE			
3326	42	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE			

UN	GUIDE	PROPER SHIPPING NAME	
3327	42	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE	
3328	42	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	
3329	42	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	
3330	42	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	
3331	42	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT,	
		FISSILE	
3332	42	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM	
3333	42	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	
3334	47	AVIATION REGULATED LIQUID, N.O.S.	
3335	47	AVIATION REGULATED SOLID, N.O.S.	
3336	16	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	
3337	06	REFRIGERANT GAS R 404A	
3338	06	REFRIGERANT GAS R 407A	
3339	06	REFRIGERANT GAS R 407B	
3340	06	REFRIGERANT GAS R 407C	
3341	25	THIOUREA DIOXIDE	
3342	25	XANTHATES	
3343	52	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S.	
3344	52	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN),	
		MIXTURE, DESENSITIZED, SOLID, N.O.S.	
3345	35	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	
3346	16	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	
3347	17	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	
3348	35	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	
3349	34	PYRETHROID PESTICIDE, SOLID, TOXIC	
3350	16	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC	
3351	17	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE	
3352	34	PYRETHROID PESTICIDE, LIQUID, TOXIC	
3353*	06	AIR-BAG INFLATORS, COMPRESSED GAS or AIR-BAG MODULES, COMPRESSED	
		GAS or SEAT-BELT PRETENSIONERS, COMPRESSED GAS	
3354	05	INSECTICIDE GAS, FLAMMABLE, N.O.S.	
3355	05	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	
3356	31	OXYGEN GENERATOR, CHEMICAL	
3357	52	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S.	
3358	04	REFRIGERATING MACHINES	
3359	07	FUMIGATED CARGO TRANSPORT UNIT	
3360	20	FIBRES, VEGETABLE, DRY	
3361	39	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	
3362	25	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	
3363	47	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	
3364	52	TRINITROPHENOL (PICRIC ACID) WETTED	

3365	52	TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED	
3366	52	TRINITROTOLUENE (TNT), WETTED	
3367	52	TRINITROBENZENE, WETTED	
3368	52	TRINITROBENZOIC ACID, WETTED	
3369	52	SODIUM DINITRO-0-CRESOLATE, WETTED	
3370	52	UREA NITRATE, WETTED	
3371	15	2-METHYLBUTANAL	
3372*	27	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.	
3373	41	BIOLOGICAL SUBSTANCE CATEGORY B	
3374	04D	ACETYLENE, SOLVENT FREE	
3375	51D	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL	
3376	52	4-NITROPHENYLHYDRAZINE	
3377	31	SODIUM PERBORATE MONOHYDRATE	
3378	31	SODIUM CARBONATE PEROXYHYDRATE	
3379	52	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	
3380	52	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	
3381	34	TOXIC BY INHALATION LIQUID, N.O.S	
3382	34	TOXIC BY INHALATION LIQUID, N.O.S	
3383	35	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S.	
3384	35	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S.	
3385	40	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S.	
3386	40	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S.	
3387	34	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S.	
3388	34	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S.	
3389	37	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S.	
3390	37	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S.	
3391	23	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	
3392	23	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	
3393	26	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER REACTIVE	
3394	26	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER REACTIVE	
3395	27	ORGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE	
3396	27	ORGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, FLAMMABLE	
3397	27	ORGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, SELF-HEATING	
3398	27	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER REACTIVE	
3399	26	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER REACTIVE, FLAMMABLE	
3400	25	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	
3401	26	ALKALI METAL AMALGAM, SOLID	
3402	26	AKLALINE EARTH METAL AMALGAM, SOLID	
3403	26	POTASSIUM METAL ALLOYS, SOLID	
3404	26	POTASSIUM SODIUM ALLOYS, SOLID	
3405	31	BARIUM CHLORATE SOLUTION	

UN	GUIDE	PROPER SHIPPING NAME
3406	31	BARIUM PERCHLORATE SOLUTION
3407	31	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION
3408	31	LEAD PERCHLORATE SOLUTION
3409	35D	CHLORONITROBENZENES, LIQUID
3410	36	4-CHLORO-0-TOLUIDINE HYDROCHLORIDE SOLUTION
3411	36	beta-NAPHTYLAMINE SOLUTION
3412	36	FORMIC ACID
3413	34	POTASSIUM CYANIDE SOLUTION
3414	40	SODIUM CYANIDE SOLUTION
3415	37	SODIUM FLUORIDE SOLUTION
3416	36	CHLOROACETPHENONE, LIQUID
3417	35	XYLYL BROMIDE, SOLID
3418	36	2,4-TOLUYLENEDIAMINE SOLUTION
3419	38	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID
3420	39	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID
3421	37	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION
3422	37	POTASSIUM FLUORIDE SOLUTION
3423	36	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID
3424	31	AMMONIUM DINTRO-0-CRESOLATE, SOLUTION
3425	39	BROMOACETIC ACID, SOLID
3426	36P	ACRYLAMIDE SOLUTION
3427	36	CHLOROBENZYL CHLORIDES, SOLID
3428	39	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID
3429	36	CHLOROTOLUIDINES, LIQUID
3430	36	XYLENOLS, LIQUID
3431	35	NITROBENZOTRIFLUOIDES, SOLID
3432	48	POLYCHLORINATED BIPHENYLS, SOLID
3433*	25	LITHIUM ALKYLS, SOLID
3434	36	NITROCRESOLS, LIQUID
3435*	36	HYDROQUINONE SOLUTION
3436	34	HEXAFLUOROACETONE HYDRATE, SOLID
3437	35	CHLOROCRESOLS, SOLID
3438	36	alpha-METHYLBENZYL ALCOHOL, SOLID
3439	35	NITRILES, TOXIC, SOLID, N.O.S.
3440	34	SELENIUM COMPOUND, LIQUID, N.O.S.
3441	36D	CHLORODINITROBENZENES, SOLID
3442	36	DICHLOROANILINES, SOLID
3443	36	DINITROBENZENES, SOLID
3444	34	NICOTINE HYDROCHLORIDE, SOLID
3445	34	NICOTINE SULPHATE, SOLID
3446	35D	NITROTOLUENES, SOLID

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UN	GUIDE	PROPER SHIPPING NAME			
3447	35	NITROXYLENES, SOLID			
3448	36	FEAR GAS SUBSTANCE, SOLID, N.O.S.			
3449	36	ROMOBENZYL CYANIDES, SOLID			
3450	34	DIPHENYLCHLOROARSINE, SOLID			
3451	36	TOLUIDINES, SOLID			
3452	37	XYLIDINES, SOLID			
3453	37	PHOSPHORIC ACID, SOLID			
3454	35D	DINITROTOLUENES, SOLID			
3455	36	CRESOLS, SOLID			
3456	40	NITROSYLSULPHURIC ACID, SOLID			
3457	35	CHLORONITROTOLUENES, SOLID			
3458	35	NITROANISOLES, SOLID			
3459	35	NITROBROMOBENZENES, SOLID			
3460	36	N-ETHYLBENZYLTOLUIDINES, SOLID			
3461*	25	ALUMINIUM ALKYL HALIDES, SOLID			
3462	36	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.			
3463	36	PROPIONIC ACID			
3464	35	ORGANOPHOSPHORUS COMPOUND, TOXIC, SOLID, N.O.S.			
3465	35	ORGANOARSENIC COMPOUND, SOLID, N.O.S.			
3466	35	METAL CARBONYLS SOLID, N.O.S.			
3467	35	ORGANOMETALLIC COMPOUND, TOXIC, SOLID, N.O.S.			
3468	04	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM or HYDROGEN IN A			
		METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT or HYDROGEN			
	10	IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT			
3469	18	PAINT, FLAMMABLE, CORROSIVE or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE			
3470	36	PAINT, CORROSIVE, FLAMMABLE or PAINT RELATED MATERIAL, CORROSIVE,			
		FLAMMABLE			
3471	37	HYDROGEN DIFLUORIDES SOLUTION, N.O.S.			
3472	36	CROTONIC ACID, LIQUID			
3473	15	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT			
		or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT			
3474	52	1-HYDROXYBENZOTRIAZOLE MONOHYDRATE or 1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, WETTED (Aust)			
3475	14	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE			
3476	15	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT			
3477	36	FUEL CELL CARTRIDGES FACKED WITH EQUIPMENT FUEL CELL CARTRIDGES OF FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT			

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or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT 3478 04 FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT

LIST OF U.N. NUMBERS

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3479	04	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT
		or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT
3480	26	LITHIUM ION BATTERIES
3481	26	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHUIM ION BATTERIES PACKED WITH EQUIPMENT
3482†	26	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE
3483†	16D	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE
3484†	36	HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE
3485†	31	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)
3486†	31	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine
3487†	31	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM
		HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water
3488†	36	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour
		concentration greater than or equal to 500 LC50
3489†	36	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an
		inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50
3490†	39	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50
3491†	39	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50
3492†	36	TOXIC BY INHALATION LIQUID, CORROSIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50
3493†	36	TOXIC BY INHALATION LIQUID, CORROSIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50
3494†	18	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC
	37	IODINE
3495†	37	IODINE

NOTES

12. PROPER SHIPPING NAMES – TECHNICAL NAMES

NAME

<u> PROPER SHIPPING NAME - TECHNICA</u>

PROPER SHIPPING NAME – TECHNICAL NAME

- denotes a chemical that has been deleted from the UN list of Proper Shipping Names. Obsolete numbers are included in the list of Proper Shipping Names-Technical Names to provide emergency information should they be encountered in an emergency.
- D indicates that the substance may decompose explosively.
- P indicates that the substance may polymerise violently. This polymerisation can produce heat and pressure build-up in containers and may cause them to explode.
- † denotes a UN number that is not in the latest edition of the ADG Code but has been added by the latest revised edition of the UN Model Regulations. Use of this number on labels and transport documentation may not comply with Australian law unless authorised by the competent authority.

AC	05DP	1051
Accumulators, electric	26	3292
Accumulators, electric	37	2794
Accumulators, electric	37	2795
Accumulators, electric	37	2800
Accumulators, electric	37	3028
ACETAL	14	1088
ACETALDEHYDE	18	1089
ACETALDEHYDE AMMONIA	35	1841
ACETALDEHYDE OXIME	19	2332
ACETIC ACID, GLACIAL	19	2789
ACETIC ACID SOLUTION, more than 10% but not more than 80% acid, by mass	36	2790
ACETIC ACID SOLUTION, more than 80% acid, by mass	19	2789
ACETIC ANHYDRIDE	38	1715
Acetoin	15P	2621
ACETONE	14	1090
ACETONE CYANOHYDRIN, STABILIZED	35	1541
ACETONE OILS	14	1091
ACETONITRILE	17	1648
ACETYL ACETONE PEROXIDE	32	2080*
ACETYL ACETONE PEROXIDE	32	3061*
ACETYL BENZYL PEROXIDE	32	2081*
ACETYL BROMIDE	39	1716
ACETYL CHLORIDE	38	1717
ACETYL CYCLOHEXANE SULPHONYL PEROXIDE	33	2082*
ACETYL CYCLOHEXANE SULPHONYL PEROXIDE	33	2083*
ACETYLENE, DISSOLVED	04DP	1001
ACETYLENE, SOLVENT FREE	04D	3374
Acetylene tetrabromide	34	2504

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UI
Acetylene tetrachloride	34	170
ACETYL IODIDE	39	189
ACETYL METHYL CARBINOL	15P	262
ACETYL PEROXIDE PHLEGMATIZED	33	2084
Acid butyl phosphate	36	171
Acid mixture, hydrofluoric and sulphuric	40	178
Acid mixture, nitrating acid	40	179
Acid mixture, spent, nitrating acid	40	182
Acraldehyde, inhibited	18P	109
ACRIDINE	36	271
ACROLEIN DIMER, STABILIZED	19P	260
ACROLEIN, STABILIZED	18P	109
ACRYLAMIDE, SOLID	36P	207
ACRYLAMIDE SOLUTION	36P	342
ACRYLIC ACID, STABILIZED	19P	221
ACRYLONITRILE, STABILIZED	16P	109
Actinolite	47	259
Activated carbon	20	136
Activated charcoal	20	136
Adamsite	37	169
ADHESIVES containing flammable liquid	14	113
ADHESIVES, polyester resin kit (two pack)	14	113
ADIPONITRILE	36	220
Aeroplane flares	02	042
Aeroplane flares	02	042
Aeroplane flares	02	009
Aeroplane flares	03	040
Aeroplane flares	03	040
AEROSOLS	49	195
AGENT, BLASTING, TYPE B	02	033
AGENT, BLASTING, TYPE E	02	033
AIR-BAG INFLATORS	47	326
AIR-BAG INFLATORS	03	050
AIR-BAG INFLATORS, COMPRESSED GAS or AIR-BAG MODULES, COMPRESSED GAS or SEAT-BELT PRETENSIONERS, COMPRESSED GAS	06	3353
AIR-BAG MODULES	47	326
AIR-BAG MODULES	03	050
AIR, COMPRESSED	10	100
Aircraft evacuation slides	47	299

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	18	316
Aircraft survival kits	47	299
AIRCRAFT THRUST DEVICE	20	279 [.]
AIR, REFRIGERATED LIQUID	10	100
ALARM DEVICES, AUTOMATIC (AUTO ALARMS)	02	000
ALCOHOLATES SOLUTION, N.O.S., in alcohol	16	327
Alcohol, denatured	16	198
Alcohol, denatured	14	198
Alcohol, industrial	16	198
Alcohol, industrial	14	198
ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume, or with more than 70% alcohol by mass	14	306
ALCOHOLS, N.O.S.	14	198
ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	16	198
Aldehyde	18	198
ALDEHYDES, N.O.S.	18	198
ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	16	198
ALDOL	36	283
Ndrin, liquid	18	276
Aldrin, solid	34	276
ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	38	320
ALKALI METAL ALLOY, LIQUID, N.O.S.	26	142
ALKALI METAL AMALGAM, LIQUID	26	138
ALKALI METAL AMALGAM, SOLID	26	34(
ALKALI METAL AMIDES	27	139
ALKALI METAL DISPERSION	26	139
ALKALI METAL DISPERSION, FLAMMABLE	26	3482
Ikaline corrosive battery fluid	37	279
ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	38	320
ALKALINE EARTH METAL ALLOY, N.O.S.	26	139
ALKALINE EARTH METAL AMALGAM, LIQUID	26	139
AKLALINE EARTH METAL AMALGAM, SOLID	26	340
ALKALINE EARTH METAL DISPERSION	26	139
ALKALINE EARTH METAL DISPERSION, FLAMMABLE	26	3482
ALKALOIDS, LIQUID, N.O.S.	34	314
ALKALOID SALTS, LIQUID, N.O.S.	34	314
ALKALOID SALTS, SOLID, N.O.S.	34	154
ALKALOIDS, SOLID, N.O.S.	34	154

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Alkyl aluminium halides	25	3052
ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	36	3145
ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	36	2430
ALKYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	36	2584
ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	36	2586
ALKYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	36	2583
ALKYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	36	2585
ALKYLSULPHURIC ACIDS	39	257
Allene	04P	2200
ALLYL ACETATE	19	2333
ALLYL ALCOHOL	17	1098
ALLYLAMINE	18	2334
ALLYL BROMIDE	19	1099
ALLYL CHLORIDE	18	1100
\llyl chlorocarbonate	38	172
ALLYL CHLOROFORMATE	38	172
ALLYL ETHYL ETHER	16	233
ALLYL FORMATE	18	2330
ALLYL GLYCIDYL ETHER	17	221
ALLYL IODIDE	19	172
ALLYL ISOTHIOCYANATE, STABILIZED	38	154
ALLYLTRICHLOROSILANE, STABILIZED	25D	172
ALUMINIUM ALKYLS	25	3051
luminium alkyl halides, liquid	26	3394
Aluminium alkyl halides, solid	26	3393
ALUMINIUM ALKYL HALIDES	25	2220
ALUMINIUM ALKYL HALIDES	25	2221
ALUMINIUM ALKYL HALIDES, LIQUID	25	3052
ALUMINIUM ALKYL HALIDES, SOLID	25	3461
Aluminium alkyl hydrides	26	3394
ALUMINIUM ALKYL HYDRIDES	26	3076
Aluminium alkyls	26	3394
LUMINIUM BOROHYDRIDE	25	2870
ALUMINIUM BOROHYDRIDE IN DEVICES	25	2870
ALUMINIUM BROMIDE, ANHYDROUS	40	172
ALUMINIUM BROMIDE SOLUTION	40	2580
ALUMINIUM CARBIDE	26	1394
ALUMINIUM CHLORIDE, ANHYDROUS	40	1726
ALUMINIUM CHLORIDE SOLUTION	37	258 ⁻

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Aluminium dross	26	3170
ALUMINIUM FERROSILICON POWDER	27	1395
ALUMINIUM HYDRIDE	26	2463
ALUMINIUM NITRATE	31	1438
ALUMINIUM PHOSPHIDE	27	1397
ALUMINIUM PHOSPHIDE PESTICIDE	27	3048
ALUMINIUM POWDER, COATED	29	1309
ALUMINIUM POWDER, UNCOATED	26	1396
ALUMINIUM REMELTING BY-PRODUCTS	26	3170
ALUMINIUM RESINATE	20	2715
ALUMINIUM SILICON POWDER, UNCOATED	26	1398
ALUMINIUM SMELTING BY-PRODUCTS	26	3170
ALUMINIUM TRIETHYL	25	1102*
ALUMINIUM TRIMETHYL	25	1103*
Amatols	02	0082
AMINES, FLAMMABLE, CORROSIVE, N.O.S.	18	2733
AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	18	2734
AMINES, LIQUID, CORROSIVE, N.O.S.	36	2735
AMINES, SOLID, CORROSIVE, N.O.S.	37	3259
Aminobenzene	36	1547
2-Aminobenzotrifluororide	36	2942
3-Aminobezontrifluororide	36	2948
Aminobutane	19	1125
2-AMINO-4-CHLOROPHENOL	34	2673
2-AMINO-5-DIETHYLAMINOPENTANE	36	2946
2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	52	3317
2-(2-AMINOETHOXY)ETHANOL	36	3055
N-AMINOETHYLPIPERAZINE	36	2815
1-Amino-2-nitrobenzene	36	1661
1-Amino-3-nitrobenzene	36	1661
1-Amino-4-nitrobenzene	36	1661
AMINOPHENOLS (o-, m-, p-)	35	2512
AMINOPYRIDINES (o-, m-, p-)	36	2671
AMMONIA, ANHYDROUS	05	1005
AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15°C in water, with more than 10% but not more than 35% ammonia	37	2672
AMMONIA SOLUTION, relative density less than 0.880 at 15°C in water, with more than 35% but not more than 50% ammonia	36	2073
AMMONIA SOLUTION, relative density less than 0.880 at 15°C in water, with more than 50% ammonia	36	3318

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
AMMONIUM ARSENATE	34	1546
Ammonium bichromate	31	1439
Ammonium bifluoride solid	37	1727
Ammonium bifluoride solution	37	2817
Ammonium bisulphate	37	2506
Ammonium bisulphate solution	37	2693
AMMONIUM DICHROMATE	31	1439
AMMONIUM DINITRO-0-CRESOLATE, SOLID	31	1843
AMMONIUM DINTRO-0-CRESOLATE, SOLUTION	31	3424
AMMONIUM FLUORIDE	37	2505
AMMONIUM FLUOROSILICATE	37	2854
Ammonium hexafluorosiicate	37	2854
AMMONIUM HYDROGEN DIFLUORIDE, SOLID	37	172
AMMONIUM HYDROGEN DIFLUORIDE SOLUTION	37	281
AMMONIUM HYDROGEN SULPHATE	37	2506
Ammonium hydrosulphide solution (treat as ammonium sulphide solution)	19	2683
AMMONIUM METAVANADATE	37	2859
AMMONIUM NITRATE BASED FERTILIZER	50	206
AMMONIUM NITRATE BASED FERTILIZER	50	2068
AMMONIUM NITRATE BASED FERTILIZER	50	207
AMMONIUM NITRATE EMULSION, intermediate for blasting explosives	51D	3375
Ammonium nitrate explosive	02	0082
Ammonium nitrate explosive	02	033
AMMONIUM NITRATE FERTILIZER	02	0223
AMMONIUM NITRATE FERTILIZER, N.O.S.	50	2072
AMMONIUM NITRATE FERTILIZERS	50	2069
AMMONIUM NITRATE FERTILIZERS	50	2070
AMMONIUM NITRATE GEL, intermediate for blasting explosives	51D	3375
AMMONIUM NITRATE, LIQUID (hot concentrated solution)	50	2426
AMMONIUM NITRATE SUSPENSION, intermediate for blasting explosives	51D	3375
AMMONIUM NITRATE with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	02	0222
AMMONIUM NITRATE with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	50	1942
AMMONIUM NITRATE EXPLOSIVE	02	0082
AMMONIUM NITRATE	02	0331
AMMONIUM PERCHLORATE	02	0402
AMMONIUM PERCHLORATE	31	1442

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Ammonium permanganate	31	1482
AMMONIUM PERSULPHATE	31	1444
AMMONIUM PICRATE dry or wetted with less than 10% water, by mass	02	0004
AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	52	1310
AMMONIUM POLYSULPHIDE SOLUTION	37	2818
AMMONIUM POLYVANADATE	34	2861
Ammonium silicofluoride	37	2854
AMMONIUM SULPHIDE SOLUTION	19	2683
Ammunition, blank	02	0326
Ammunition, blank	02	0413
Ammunition, blank	02	032
Ammunition, blank	03	0338
Ammunition, blank	03	0014
Ammunition, fixed; Ammunition semi-fixed; Ammunition, separate loading	02	0006
Ammunition, fixed; Ammunition semi-fixed; Ammunition, separate loading	02	000
Ammunition, fixed; Ammunition semi-fixed; Ammunition, separate loading	02	032
Ammunition, fixed; Ammunition semi-fixed; Ammunition, separate loading	02	000
Ammunition, fixed; Ammunition semi-fixed; Ammunition, separate loading	03	041
Ammunition, fixed; Ammunition semi-fixed; Ammunition, separate loading	03	0348
AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	02	017 ⁻
AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	02	0254
AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	03	029
AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge	02	024
AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	02	000
AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	02	001
AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	03	030
Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge	02	024
AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	02	024
AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	02	024
Ammunition, industrial	02	038
Ammunition, industrial	02	027
Ammunition, industrial	02	027

IN AN EMERGENCY. IN AUSTRALIA CALL 000 IN NEW ZEALAND CALL 111

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
Ammunition, industrial	03	027
Ammunition, industrial	03	027
Ammunition, industrial	03	032
Ammunition, lachrymatory	02	001
Ammunition, lachrymatory	02	001
Ammunition, lachrymatory	03	030
Ammunition, lachrymatory	36	201
AMMUNITION, PRACTICE	03	036
AMMUNITION, PRACTICE	02	048
AMMUNITION, PROOF	03	036
AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	02	001
AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	02	001
AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	03	030
Ammunition, smoke (water-activated contrivances), white phosphorus with burster, expelling charge or propelling charge	02	024
Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides with burster, expelling charge or propelling charge	02	024
AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	02	024
AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	02	024
Ammunition, sporting	02	032
Ammunition, sporting	02	041
Ammunition, sporting	03	033
Ammunition, sporting	03	001
AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	36	201
AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	02	001
AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	02	001
AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	03	030
AMMUNITION, TOXIC with burster, expelling charge or propelling charge	02	002
AMMUNITION, TOXIC with burster, expelling charge or propelling charge	02	002
Ammunition, toxic (water-activated contrivances) with burster, expelling charge or propelling charge	02	024
Ammunition, toxic (water-activated contrivances) with burster, expelling charge or propelling charge	02	024
AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuze	d 37	201
Amorces (caps, toy)	02	033
Amorces (caps, toy)	03	033
Amorces (caps, toy)	03	033
Amosite	47	221

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
AMYL ACETATES	18	1104
AMYL ACID PHOSPHATE	36	2819
Amyl aldehyde	18	2058
AMYLAMINE	18	1106
AMYL BUTYRATES	19	2620
AMYL CHLORIDE	18	1107
n-AMYLENE	14	1108
AMYL FORMATES	18	1109
tert-AMYL HYDROPEROXIDE	32	3067*
AMYL MERCAPTAN	16	1111
n-AMYL METHYL KETONE	15	1110
AMYL NITRATE	15	1112
AMYL NITRITE	16	1113
tert-AMYLPEROXYBENZOATE	32	3044*
tert-AMYL PEROXY-2-ETHYLHEXANOATE	33	2898*
tert-AMYL PEROXYNEODECANOATE	33	2891*
tert-AMYL PEROXYPIVALATE	33	2957*
AMYLTRICHLOROSILANE	38	1728
Anaesthetic ether	14D	1155
ANHYDROUS AMMONIA	05	1005
ANILINE	36	1547
Aniline chloride	36	1548
ANILINE HYDROCHLORIDE	36	1548
Aniline oil	36	1547
Aniline salt	36	1548
ANISIDINES	36	2431
ANISOLE	15	2222
ANISOYL CHLORIDE	39	1729
Anthophyllite	47	2590
Antimonous chloride	40	1733
ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	40	3141
ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	40	1549
Antimony hydride	37	2676
ANTIMONY LACTATE	34	1550
Antimony (III) lactate	34	1550
ANTIMONY PENTACHLORIDE, LIQUID	40	1730
ANTIMONY PENTACHLORIDE SOLUTION	40	1731
ANTIMONY PENTAFLUORIDE	40	1732
Antimony perchloride, liquid	40	1730

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ANTIMONY POTASSIUM TARTRATE	34	1551
ANTIMONY POWDER	29	2871
ANTIMONY TRICHLORIDE	40	1733
A.n.t.u.	36	1651
ARGON, COMPRESSED	08	1006
ARGON, REFRIGERATED LIQUID	08	1951
Arsenates, n.o.s.	35	1556
Arsenates, n.o.s.	35	1557
ARSENIC	35	1558
ARSENIC ACID, LIQUID	37	1553
ARSENIC ACID, SOLID	37	1554
ARSENICAL DUST	35	1562
Arsenical flue dust	35	1562
ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	2760
ARSENICAL PESTICIDE, LIQUID, TOXIC	34	2994
ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	2993
ARSENICAL PESTICIDE, SOLID, TOXIC	34	2759
ARSENIC BROMIDE	34	1555
Arsenic (III) bromide	35	1555
Arsenic chloride	40	1560
ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	35	1556
ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	35	1557
Arsenic (III) oxide	34	1561
Arsenic (V) oxide	34	1559
ARSENIC PENTOXIDE	34	1559
Arsenic sulphides	35	1556
Arsenic sulphides	35	1557
ARSENIC TRICHLORIDE	40	1560
ARSENIC TRIOXIDE	34	1561
Arsenious chloride	40	1560
Arsenites, n.o.s.	35	1556
Arsenites, n.o.s.	35	1557
Arsenous chloride	40	1560
ARSINE	05	2188
Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	35	1556
Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	35	1557
ARTICLES, EEI	02	0486

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE	02	0486
ARTICLES, EXPLOSIVE, N.O.S.	03	0349
ARTICLES, EXPLOSIVE, N.O.S.	03	0350
ARTICLES, EXPLOSIVE, N.O.S.	03	0351
ARTICLES, EXPLOSIVE, N.O.S.	03	0352
ARTICLES, EXPLOSIVE, N.O.S.	03	0353
ARTICLES, EXPLOSIVE, N.O.S.	02	0354
ARTICLES, EXPLOSIVE, N.O.S.	02	0355
ARTICLES, EXPLOSIVE, N.O.S.	02	0356
ARTICLES, EXPLOSIVE, N.O.S.	02	0462
ARTICLES, EXPLOSIVE, N.O.S.	02	0463
ARTICLES, EXPLOSIVE, N.O.S.	02	0464
ARTICLES, EXPLOSIVE, N.O.S.	02	0465
ARTICLES, EXPLOSIVE, N.O.S.	02	0466
ARTICLES, EXPLOSIVE, N.O.S.	02	0467
ARTICLES, EXPLOSIVE, N.O.S.	02	0468
ARTICLES, EXPLOSIVE, N.O.S.	02	0469
ARTICLES, EXPLOSIVE, N.O.S.	02	0470
ARTICLES, EXPLOSIVE, N.O.S.	03	0471
ARTICLES, EXPLOSIVE, N.O.S.	03	0472
ARTICLES, PRESSURIZED, HYDRAULIC (containing non-flammable gas)	06	3164
ARTICLES, PRESSURIZED, PNEUMATIC (containing non-flammable gas)	06	3164
ARTICLES, PYROPHORIC	02	0380
ARTICLES, PYROTECHNIC for technical purposes	02	0428
ARTICLES, PYROTECHNIC for technical purposes	02	0429
ARTICLES, PYROTECHNIC for technical purposes	02	0430
ARTICLES, PYROTECHNIC for technical purposes	03	0431
ARTICLES, PYROTECHNIC for technical purposes	03	0432
ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	36	2584
ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	36	2586
ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	36	2583
ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	36	2585
Asbestos, blue or brown	47	2212
Asbestos, white	47	2590
ASPHALT CUT BACKS	16	1999
AVIATION GASOLINE	14	1203
AVIATION REGULATED LIQUID, N.O.S.	47	3334
AVIATION REGULATED SOLID, N.O.S.	47	3335
AVIATION TURBINE FUEL	14	1863

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
AZODICARBONAMIDE	21	3242
1,1'-AZODI-(2,4-DIMETHYL-4-METHOXYVALERONITRILE)	20	2955
2,2'-AZODI-(2,4-DIMETHYL VALERONITRILE)	20	2953
I,1'-AZODI-(HEXAHYDROBENZONITRILE)	20	2954
AZODIISOBUTYRONITRILE	21	2952
2,2'-AZODI-(2,METHYLBUTYRONITRILE)	20	3030
Bag charges	02	0279
Bag charges	02	0414
Bag charges	02	0242
BAGS	20	1359
Ballistite	02	0160
Ballistite	02	016
Bangalore torpedoes	02	013
Bangalore torpedoes	02	0136
Bangalore torpedoes	02	0138
Bangalore torpedoes	02	0294
BARIUM	26	1400
BARIUM ALLOY	26	1399
BARIUM ALLOYS, PYROPHORIC	25	1854
3ARIUM AZIDE, dry or wetted with less than 50% water, by mass	02	0224
3ARIUM AZIDE, WETTED with not less than 50% water, by mass	52	157
3arium binoxide	31	1449
BARIUM BROMATE	31	2719
BARIUM CHLORATE, SOLID	31	144
BARIUM CHLORATE SOLUTION	31	340
BARIUM COMPOUND, N.O.S.	37	1564
BARIUM CYANIDE	40	156
3arium dioxide	31	1449
3ARIUM HYPOCHLORITE with more than 22% available chlorine	31	274
BARIUM NITRATE	31	1446
BARIUM OXIDE	40	1884
BARIUM PERCHLORATE, SOLID	31	144
BARIUM PERCHLORATE SOLUTION	31	3406
BARIUM PERMANGANATE	31	1448
BARIUM PEROXIDE	31	1449
Barium selenate	34	2630
Barium selenite	34	2630
3arium superoxide	31	1449
BATTERIES, CONTAINING SODIUM	26	3292

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	37	3028
BATTERIES, WET, FILLED WITH ACID, electric storage	37	2794
BATTERIES, WET, FILLED WITH ALKALI, electric storage	37	2795
BATTERIES, WET, NON-SPILLABLE, electric storage	37	2800
BATTERY FLUID, ACID	37	2796
BATTERY FLUID, ALKALI	37	2797
Battery, lithium ion	26	3480
Battery, lithium ion	26	3481
Battery, lithium metal	26	3090
Battery, lithium metal	26	309
BATTERY-POWERED EQUIPMENT	37	317
BATTERY-POWERED VEHICLE	37	317
BENZALDEHYDE	18	1990
BENZENE	16	1114
BENZENE-1,3-DISULPHOHYDRAZIDE	20	2971
BENZENE SULPHOHYDRAZIDE	20	2970
BENZENESULPHONYL CHLORIDE	39	222
1,4-Benzenediol	36	266
Benzenethiol	16	233
BENZIDINE	36	188
BENZINE	14	1115
BENZOIC DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	16	2770
BENZOIC DERIVATIVE PESTICIDE, LIQUID, TOXIC	34	3004
BENZOIC DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	17	3003
Benzol	16	111
Benzolene	14	126
BENZONITRILE	35	222
BENZOQUINONE	36	258
Benzosulphoxhloride	39	222
BENZOTRICHLORIDE	39	222
BENZOTRIFLUORIDE	16	233
BENZOYL CHLORIDE	39	173
BENZOYL PEROXIDE	32	2085
BENZOYL PEROXIDE	32	2087
BENZOYL PEROXIDE	32	2088
BENZOYL PEROXIDE	32	2089
BENZOYL PEROXIDE	32	2090
BENZYL BROMIDE	39	173
BENZYL CHLORIDE	39	173

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
Benzyl chlorocarbonate	39	173
BENZYL CHLOROFORMATE	39	173
Benzyl cyanide	35	247
BENZYLDIMETHYLAMINE	36	261
BENZYLIDENE CHLORIDE	39	188
4-[BENZYL(ETHYL)AMINO]-3-ETHOXY-BENZENE-DIAZONIUM ZINC CHLORIDE	20	3037
BENZYL IODIDE	39	265
4-[BENZYL(METHYL)AMINO]-3-ETHOXY-BENZENE-DIAZONIUM ZINC CHLORIDE	20	3038
BERYLLIUM COMPOUND, N.O.S.	37	156
BERYLLIUM NITRATE	31	246
BERYLLIUM POWDER	35	156
BHUSA	20	132
BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILIZED (2,5-NORBORNADIENE, STABILIZED)	14P	225
Bifluorides, n.o.s.	37	174
BIOLOGICAL SUBSTANCE, CATEGORY B	41	337
(BIO)MEDICAL WASTE, N.O.S.	41	329
BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	278
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	34	301
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°	°C 17	301
BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	34	278
BISULPHATES, AQUEOUS SOLUTION	37	283
BISULPHITES, AQUEOUS SOLUTION, N.O.S.	37	269
BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER (GUNPOWDER), IN PELLETS	02	002
BLACK POWDER (GUNPOWDER) granular or as a meal	02	002
BLACK POWDER (GUNPOWDER), IN PELLETS	02	002
Blasting cap assemblies	02	036
Blasting cap assemblies	03	036
Blasting caps, electric	02	003
Blasting caps, electric	03	025
Blasting caps, electric	03	045
Blasting caps, non electric	02	002
Blasting caps, non electric	03	026
Blasting caps, non electric	03	045
Blau gas	05	260
Bleaching powder	31	220
BLUE ASBESTOS (crocidolite	47	221
BOMBS with bursting charge	02	003
BOMBS with bursting charge	02	003

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
BOMBS with bursting charge	02	0035
BOMBS with bursting charge	02	0291
Bombs, illuminating	02	0254
BOMBS, PHOTO-FLASH	02	0037
BOMBS, PHOTO-FLASH	02	0038
BOMBS, PHOTO-FLASH	02	0039
BOMBS, PHOTO-FLASH	02	0299
BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	36	2028
Bombs, target identification	02	0171
Bombs, target identification	02	0254
Bombs, target identification	03	0297
BOMBS WITH FLAMMABLE LIQUID with bursting charge	02	0399
BOMBS WITH FLAMMABLE LIQUID with bursting charge	02	0400
BOOSTERS WITH DETONATOR	02	0225
BOOSTERS WITH DETONATOR	02	0268
BOOSTERS without detonator	02	0042
BOOSTERS without detonator	02	0283
Borate and chlorate mixture	31	1458
BORDEAUX ARSENITES	34	1568*
BORNEOL	20	1312
BORON TRIBROMIDE	40	2692
BORON TRICHLORIDE	07	1741
BORON TRIFLUORIDE	07	1008
BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	38	1742
BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	38	3419
BORON TRIFLUORIDE DIETHYL ETHERATE	27	2604
BORON TRIFLUORIDE DIHYDRATE	40	2851
BORON TRIFLUORIDE DIMETHYL ETHERATE	26	2965
BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	39	1743
BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	39	3420
BRAKE FLUID	18	1118*
BROMATES, INORGANIC, N.O.S.	31	1450
BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	3213
BROMINE	37	1744
BROMINE CHLORIDE	12	2901
BROMINE PENTAFLUORIDE	28	1745
BROMINE SOLUTION	37	1744
BROMINE TRIFLUORIDE	28	1746
BROMOACETIC ACID, SOLUTION	39	1938

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
BROMOACETIC ACID, SOLID	39	3425
BROMOACETONE	18	1569
omega-Bromoacetone	36	2645
BROMOACETYL BROMIDE	39	2513
BROMOBENZENE	17	2514
BROMOBENZYL CYANIDES, LIQUID	36	1694
BROMOBENZYL CYANIDES, SOLID	36	3449
I-BROMOBUTANE	16	1126
2-BROMOBUTANE	17	2339
BROMOCHLOROMETHANE	37	188
I-BROMO-3-CHLOROPROPANE	34	2688
I-Bromo-2,3-epoxypropane	18	2558
Bromoethane	17	189
2-BROMOETHYL ETHYL ETHER	16	2340
BROMOFORM	37	251
Bromomethane	07	106
I-BROMO-3-METHYLBUTANE	18	234
BROMOMETHYLPROPANES	19	234
2-BROMO-2-NITROPROPANE-1,3-DIOL	36	324
2-BROMOPENTANE	18	2343
BROMOPROPANES	18	2344
3-BROMOPROPYNE	18	234
BROMOTRIFLUOROETHYLENE	14	2419
BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	08	1009
BROWN ASBESTOS (amosite, mysorite)	47	2212
BRUCINE	35	1570
BURSTERS, explosive	02	0043
BUTADIENES, STABILIZED	04P	1010
BUTADIENES AND HYDROCARBONMIXTURE, STABILIZED	04P	1010
BUTANE	04	101
BUTANEDIONE	14	2346
Butane-1-thiol	16	234
I-Butanol	16	1120
Butan-2-ol	16	112(
BUTANOLS	16	1120
Butanol, secondary	16	1120
Butanol tertiary	16	112(
Butanone	14	1193
2-Butanal	18P	1143

Butene 04 1012 Bute-1-ene-3-one 18P 1251 1, 2-Buteneoxide 14P 3022 2-Buten1-ol 17 2614 BUTOXYL 15 2708* BUTYL ACETATES 18 1123 BUTYL ACETATES 18 1123 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLAMINE 18 123 BUTYL BARZENES 15 2709 BUTYLENENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl CHUOROFORMATE 39 2743 tert-BUTYL CWLOROFORMATE 32 2047 n-BUTYL CALOROFORMATE 32 2140* n-BUTYL CWLOROFORMATE 32 2144* n-BUTYL CWLOROFORMATE 32 2047 n-BUTYL CWLOROFORMATE 32 2047 neBUTYL A-	PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
1, 2-Buten-1-ol 14P 3022 2-Buten-1-ol 17 2614 BUTOXYL 15 2708* BUTYL ACETATES 18 1123 Butyl acetate, secondary 18 1123 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLANILINE 36 2738 sec-Butyl benzene 15 2709 n-Butyl Ichorde 16 1120 n-Butyl bromide 16 1127 n-Butyl CHLOROFORMATE 39 2743 tert-BUTYL CYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYLL4.4-DI- (tert-BUTYLPEROXY) VALERATE 32 2091* tert-BUTYL CYCLOHEXYL CHLOROFORMATE 32 2092* BUTYL ENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 BUTYL CHLOROFORMATE 32 2092* tert-BUTYL CYCLOHEXYL CHLOROFORMATE 32 2092* n-BUTYLENE 22 2014* 11* 1,2-BUTYLENE OXIDE, STA	Butene	04	1012
2-Buten-1-ol 17 2614 BUTOXYL 15 2708* BUTYL ACETATES 18 1123 Butyl acetate, secondary 18 1123 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl acohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLAMINE 36 2738 sec-Butyl benzene 15 2709 N-BUTYL CHLOROFORMATE 36 2738 sec-Butyl bromide 16 1126 n-Butyl bromide 16 1126 n-Butyl CHOROFORMATE 39 2743 tert-BUTYL CWLOROFORMATE 39 2743 tert-BUTYL CVLOROFORMATE 32 2140* n-BUTYL-44-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE XIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethers 12 2140* n-BUTYL-44-DI-(tert-BUTYLPEROXY) VALERATE	Bute-1-ene-3-one	18P	1251
BUTOYYL 15 2708* BUTYL ACETATES 18 1123 Butyl acetate, secondary 18 1123 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLANININE 36 2738 Sec-Butyl benzene 15 2709 BUTYL BENZENES 15 2709 n-Butyl bromide 16 1127 n-Butyl chlorofde 16 1127 n-Butyl CHLOROFORMATE 39 2743 tert-BUTYL CYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUtyl ethers 15 1149 Butyl ethers 15 1149 Butyl ethers 14 1179 n-BUTYL FARDOPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 </td <td>1, 2-Buteneoxide</td> <td>14P</td> <td>3022</td>	1, 2-Buteneoxide	14P	3022
BUTYL ACETATES 18 1123 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLAMINE 36 2738 sec-Butyl benzene 15 2709 n-Butyl bromide 16 1120 n-Butyl chloride 16 1127 n-Butyl chloride 16 1127 n-Butyl chloride 16 1127 n-Butyl chlorofoRMATE 39 2743 tert-BUTYL CYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXIDY) VALERATE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2092*	2-Buten-1-ol	17	2614
Butyl acetate, secondary 18 1123 BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLANILINE 36 2738 sec-Butyl benzene 15 2709 BUTYLENZENES 16 1126 n-Butyl bromide 16 1127 n-Butyl chloride 16 1127 n-Butyl CUROFORMATE 39 2743 n-Butyl-CLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140° n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141° BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethyl ether 14 1179 32 2091° 141 Butyl ethyl ether 14 1179 32 2092° 141° Butyl ethyl ether 14 1179 32 2093° 141° 150 149 142 2093° 141° 150 </td <td>BUTOXYL</td> <td>15</td> <td>2708*</td>	BUTOXYL	15	2708*
BUTYL ACID PHOSPHATE 36 1718 BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLANILINE 36 2738 sec-Butyl benzene 15 2709 BUTYL ENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl bromide 16 1127 n-Butyl chlOROFORMATE 39 2743 n-BUTYL CALOROFORMATE 32 2091* tert-BUTYL CYCLOHEXYL CHLOROFORMATE 32 2140* n-BUTYL-4.4-01-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1.2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethers 15 1149 Butyl HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32	BUTYL ACETATES	18	1123
BUTYL ACRYLATES, STABILIZED 19P 2348 Butyl alcohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLANILINE 36 2738 sec-Butyl benzene 15 2709 BUTYLBENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl chloride 16 1127 n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYL-QYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE 14 1179 n-BUTYL-FORMATE 15 1149 3022 2092* 144* 3022 2092* 144* 3179 32 2092* 144* 3179 32 2092* 144* 3179 32 2092* 144* 32 2092* 144* 32 2092* 2092* 2092* 2092* 2092* 2092*	Butyl acetate, secondary	18	1123
Butyl alcohols 16 1120 n-BUTYLAMINE 18 1125 N-BUTYLANILINE 36 2738 sec-Butyl benzene 15 2709 BUTYLBENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl chloride 16 1127 n-Butyl chlorofPRMATE 39 2743 tert-BUTYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI- (tert-BUTYLPEROXY) VALERATE 32 2140° n-BUTYL-4,4-DI- (tert-BUTYLPEROXY) VALERATE 32 2141° BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14 1179 n-BUTYL FORMATE 15 1149 3022 2092° 1149 3022 2092° Butyl ether 14 1179 32 2092° 1149 322 2093° tert-BUTYL HYDROPEROXIDE 22 2093° 126 2092° 1149 1179 butyl ether 15 1149 32 2092° 1149 1126	BUTYL ACID PHOSPHATE	36	1718
n-BUTYLAMINE 18 1125 N-BUTYLAMILINE 36 2738 sec-Butyl benzene 15 2709 BUTYLBENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl chloride 16 1127 n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYL-QLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethyl ether 14 1179 n-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 n-BUTYLIMIDAZOLE 35 2690 n-BUTYL ISOCYANATE	BUTYL ACRYLATES, STABILIZED	19P	2348
N-BUTYLANILINE 36 2738 sec-Butyl benzene 15 2709 BUTYLBENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl bromide 16 1127 n-Butyl chloride 16 1127 n-Butyl CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYL-QLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ether 14 1179 n-BUTYL HOROPEROXIDE 32 2092* tert-BUTYL HOROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 n-BUTYLIMIDAZOLE 35 2690 n-BUTYL ISOCYANATE 38 2445 BUTYL MERCAPTAN	Butyl alcohols	16	1120
sec-Butyl benzene 15 2709 BUTYLBENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl chloride 16 1127 n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ether 14 1179 n-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 n-BUTYL INDAZOLE 35 2690 <	n-BUTYLAMINE	18	1125
BUTYLBENZENES 15 2709 n-Butyl bromide 16 1126 n-Butyl chloride 16 1127 n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYL CYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethyl ether 14 1179 n-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 n,n-BUTYLINDAZOLE 35 2690 n,BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2485	N-BUTYLANILINE	36	2738
n-Butyl bromide 16 1126 n-Butyl chloride 16 1127 n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethyl ether 14 1179 n-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL INDAZOLE 35 2690 N,n-BUTYLIMIDAZOLE 35 2690 N,n-BUTYL INDCYANATE 38 2484 BUTYL METHACRYLATE, STABILIZED 35 2690 NTUT METHACRYLATE, STABILIZED 16 2347 </td <td>sec-Butyl benzene</td> <td>15</td> <td>2709</td>	sec-Butyl benzene	15	2709
n-Butyl chloride 16 1127 n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYLCYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethyl ether 14 1179 n-BUTYL FORMATE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLIMIDAZOLE 35 2690 N,n-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227 <td>BUTYLBENZENES</td> <td>15</td> <td>2709</td>	BUTYLBENZENES	15	2709
n-BUTYL CHLOROFORMATE 39 2743 tert-BUTYL CUMYL PEROXIDE 32 2091* tert-BUTYLCUCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethers 15 1149 Butyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLINDAZOLE 35 2690 N,n-BUTYL INDCYANATE 38 2484 tert-BUTYL ISOCYANATE 38 2445 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227	n-Butyl bromide	16	1126
Interview Interview <thinterview< th=""> <thinterview< th=""> <thi< td=""><td>n-Butyl chloride</td><td>16</td><td>1127</td></thi<></thinterview<></thinterview<>	n-Butyl chloride	16	1127
tert-BUTYLCYCLOHEXYL CHLOROFORMATE 39 2747 n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLINDAZOLE 35 2690 N,n-BUTYL INDCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 14	n-BUTYL CHLOROFORMATE	39	2743
n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2140* n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLIMIDAZOLE 35 2690 N,n-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227	tert-BUTYL CUMYL PEROXIDE	32	2091*
n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE 32 2141* BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ethers 15 1149 Butyl ethyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLIMIDAZOLE 35 2690 N,n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	tert-BUTYLCYCLOHEXYL CHLOROFORMATE	39	2747
BUTYLENE 04 1012 1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYL INDAZOLE 35 2690 N,n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2485 BUTYL MERCAPTAN 16 2347 n-BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE	32	2140*
1,2-BUTYLENE OXIDE, STABILIZED 14P 3022 Butyl ethers 15 1149 Butyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYL IMIDAZOLE 35 2690 N,n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE	32	2141*
Butyl ethers 15 1149 Butyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLIMIDAZOLE 35 2690 N,n-BUTYL INDOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2485 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	BUTYLENE	04	1012
Butyl ethyl ether 14 1179 n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 35 2690 N,n-BUTYLIMIDAZOLE 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	1,2-BUTYLENE OXIDE, STABILIZED	14P	3022
n-BUTYL FORMATE 18 1128 tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2090 N,n-BUTYLIMIDAZOLE 35 2690 N,n-Butyliminazole 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	Butyl ethers	15	1149
tert-BUTYL HYDROPEROXIDE 32 2092* tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDCHLORITE 25 3255 N,n-BUTYLIMIDAZOLE 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	Butyl ethyl ether	14	1179
tert-BUTYL HYDROPEROXIDE 32 2093* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYPOCHLORITE 25 3255 N,n-BUTYLIMIDAZOLE 35 2690 N,n-Butyliminazole 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	n-BUTYL FORMATE	18	1128
tert-BUTYL HYDROPEROXIDE 32 2094* tert-BUTYL HYPOCHLORITE 25 3255 N,n-BUTYLIMIDAZOLE 35 2690 N,n-Butyliminazole 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2485 butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	tert-BUTYL HYDROPEROXIDE	32	2092*
tert-BUTYL HYPOCHLORITE 25 3255 N,n-BUTYLIMIDAZOLE 35 2690 N,n-Butyliminazole 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	tert-BUTYL HYDROPEROXIDE	32	2093*
N,n-BUTYLIMIDAZOLE 35 2690 N,n-Butyliminazole 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	tert-BUTYL HYDROPEROXIDE	32	2094*
N,n-Butyliminazole 35 2690 n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	tert-BUTYL HYPOCHLORITE	25	3255
n-BUTYL ISOCYANATE 38 2485 tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	N,n-BUTYLIMIDAZOLE	35	2690
tert-BUTYL ISOCYANATE 38 2484 Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	N,n-Butyliminazole	35	2690
Butyl lithium 25 2445 BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	n-BUTYL ISOCYANATE	38	2485
BUTYL MERCAPTAN 16 2347 n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	tert-BUTYL ISOCYANATE	38	2484
n-BUTYL METHACRYLATE, STABILIZED 19P 2227 BUTYL METHYL ETHER 14 2350	Butyl lithium	25	2445
BUTYL METHYL ETHER 14 2350	BUTYL MERCAPTAN	16	2347
	n-BUTYL METHACRYLATE, STABILIZED	19P	2227
BUTYL NITRITES 17 2351	BUTYL METHYL ETHER	14	2350
	BUTYL NITRITES	17	2351

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
tert-BUTYL MONOPEROXYMALEATE	32	2099
tert-BUTYL MONOPEROXYMALEATE	32	2100
tert-BUTYL MONOPEROXYMALEATE	32	2101
tert-BUTYL MONOPEROXYPHTHALATE	32	2105
tert-BUTYL PEROXIDE	32	2102
tert-BUTYL PEROXYACETATE	32	2095
tert-BUTYL PEROXYACETATE	32	2096
tert-BUTYL PEROXYBENZOATE	32	2097
tert-BUTYL PEROXYBENZOATE	32	2098
tert-BUTYL PEROXYBENZOATE	32	2890
tert-BUTYL PEROXYCROTONATE	32	2183
n-BUTYL PEROXYDICARBONATE	33	2169
n-BUTYL PEROXYDICARBONATE	33	2170
tert-BUTYL PEROXYDIETHYLACETATE	33	2144
tert-BUTYL PEROXYDIETHYLACETATE, with tert-BUTYL PEROXYBENZOATE	32	2551
tert-BUTYL PEROXY-2-ETHYLHEXANOATE	33	2143
tert-BUTYL-PEROXY-2-ETHYL HEXANOATE	32	2887
tert-BUTYL-PEROXY-(2-ETHYL) HEXANOATE	33	2888
tert-BUTYL PEROXYISOBUTYRATE	33	2142
tert-BUTYL PEROXYISOBUTYRATE	33	2562
tert-BUTYL PEROXY ISO-PROPYLCARBONATE	32	2103
tert-BUTYL PEROXYNEODECANOATE	33	2177
tert-BUTYL PEROXYNEODECANOATE	33	2594
3-tert-BUTYL PEROXY-3-PHENYLPHTHALIDE	32	2596
tert-BUTYL PEROXYPIVALATE	33	2110
tert-BUTYL PEROXYPIVALATE	33	3047
tert-BUTYLPEROXY STEARYL CARBONATE	32	3062
tert-BUTYL PEROXY-3,5,5-TRIMETHYLHEXANOATE	32	2104
BUTYLPHENOLS, LIQUID	36	2228
Butylphenols, liquid	36	3145
BUTYLPHENOLS, SOLID	36	2229
Butylphenols, solid	36	2430
BUTYL PROPIONATES	19	1914
p-tert-Butyltoluene	35	2667
BUTYLTOLUENES	35	2667
BUTYLTRICHLOROSILANE	25	1747
5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)	52	2956
BUTYL VINYL ETHER, STABILIZED	14P	2352
But-1-yne	04P	2452

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
1, 4-BUTYNEDIOL	21	2716
2-Butyne-1,4-diol	36	2716
BUTYRALDEHYDE	18	1129
BUTYRALDOXIME	19	2840
BUTYRIC ACID	36	2820
BUTYRIC ANHYDRIDE	39	2739
Butyrone	15	2710
BUTYRONITRILE	17	2411
Butyroyl chloride	40	2353
BUTYRYL CHLORIDE	40	2353
Buzz	36	2810
BZ	36	2810
CA	36	1694
Cable cutters, explosive	03	0070
CACODYLIC ACID	34	1572
CADMIUM COMPOUND	37	2570
CAESIUM	26	1407
CAESIUM HYDROXIDE	40	2682
CAESIUM HYDROXIDE SOLUTION	40	2681
CAESIUM NITRATE	31	1451
Caffeine	34	1544
Cajeputene	14	2052
CALCIUM	26	1401
CALCIUM ALLOYS, PYROPHORIC	25	1855
CALCIUM ARSENATE	34	1573
CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	34	1574
Calcium bisulphate solution	37	2693
CALCIUM CARBIDE	26	1402
CALCIUM CHLORATE	31	1452
CALCIUM CHLORATE, AQUEOUS SOLUTION	31	2429
CALCIUM CHLORITE	31	1453
CALCIUM CYANAMIDE with more than 0.1% calcium carbide	26	1403
CALCIUM CYANIDE	40	1575
CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	25	1923
CALCIUM HYDRIDE	26	1404
CALCIUM HYDROSULPHITE	25	1923
CALCIUM HYPOCHLORITE, DRY with more than 39% available chlorine (8.8% available oxygen)	31	1748
CALCIUM HYPOCHLORITE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	31	3485†

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
CALCIUM HYPOCHLORITE, HYDRATED, with not less than 5.5% but not more than 16% water	31	288
CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE with not less than 5.5% but not more than 16% water	31	3487
CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	31	288
CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	31	3487
CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	31	174
CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	31	3485
CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	31	220
CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	31	3486
CALCIUM MANGANESE SILICON	26	284
CALCIUM NITRATE	31	145
CALCIUM OXIDE	40	191
CALCIUM PERCHLORATE	31	145
CALCIUM PERMANGANATE	31	145
CALCIUM PEROXIDE	31	145
CALCIUM PHOSPHIDE	27	136
CALCIUM, PYROPHORIC	25	185
CALCIUM RESINATE	20	131
CALCIUM RESINATE, FUSED	20	131
Calcium selenate	34	263
CALCIUM SILICIDE	26	140
Calcium silicon	26	140
CALCIUM SILICON	26	140
Calcium superoxide	31	145
Camphanone	20	271
CAMPHOR OIL	15	113
CAMPHOR, synthetic	20	271
CAPROIC ACID	36	282
CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	275
CARBAMATE PESTICIDE, LIQUID, TOXIC	34	299
CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	299
CARBAMATE PESTICIDE, SOLID, TOXIC	34	275
Carbolic acid	36	167
Carbolic acid	36	231

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Carbolic acid	36	2821
CARBON, ACTIVATED	20	1362
CARBON, animal or vegetable origin	20	1361
Carbon bisulphide	16	1131
Carbon, black (animal or vegetable origin)	20	1361
CARBON DIOXIDE	09	1013
Carbon dioxide and ethylene oxide mixture	05D	1041
Carbon dioxide and ethylene oxide mixture	06	1952
Carbon dioxide and ethylene oxide mixture	05D	3300
CARBON MONOXIDE AND HYDROGEN MIXTURE, COMPRESSED	05	2600*
CARBON DIOXIDE AND NITROUS OXIDE MIXTURE	06	1015*
CARBON DIOXIDE AND OXYGEN MIXTURE, COMPRESSED	10	1014*
CARBON DIOXIDE, REFRIGERATED LIQUID	09	2187
CARBON DIOXIDE, SOLID (DRY ICE)	09	1845
CARBON DISULPHIDE	16	1131
Carbonic anhydride	09	1013
Carbonic anhydride	09	1845
Carbonic anhydride	09	2187
CARBON MONOXIDE, COMPRESSED	05	1016
Carbon oxysulphide	05	2204
CARBON REMOVER	14	1132'
CARBON TETRABROMIDE	34	2516
CARBON TETRACHLORIDE	34	1846
Carbonyl chloride	07	1076
CARBONYL FLUORIDE	07	2417
CARBONYL SULPHIDE	05	2204
Cartridge cases, empty, primed	03	0379
Cartridge cases, empty, primed	03	0055
Cartridges, actuating, for fire extinguisher or apparatus valve	03	0381
Cartridges, actuating, for fire extinguisher or apparatus valve	03	0275
Cartridges, actuating, for fire extinguisher or apparatus valve	02	0276
Cartridges, actuating, for fire extinguisher or apparatus valve	02	0323
Cartridges, explosive	02	0048
CARTRIDGES, FLASH	02	0049
CARTRIDGES, FLASH	02	0050
CARTRIDGES FOR WEAPONS with bursting charge	02	0005
CARTRIDGES FOR WEAPONS with bursting charge	02	0006
CARTRIDGES FOR WEAPONS with bursting charge	02	0007
CARTRIDGES FOR WEAPONS with bursting charge	02	0321

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
CARTRIDGES FOR WEAPONS with bursting charge	03	0348
CARTRIDGES FOR WEAPONS with bursting charge	03	041
CARTRIDGES FOR WEAPONS, BLANK	02	032
CARTRIDGES FOR WEAPONS, BLANK	02	041
CARTRIDGES FOR WEAPONS, BLANK	03	001
CARTRIDGES FOR WEAPONS, BLANK	02	032
CARTRIDGES FOR WEAPONS, BLANK	03	033
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	02	032
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	03	001
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	03	033
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	02	041
Cartridges, illuminating	02	017
Cartridges, illuminating	02	025
Cartridges, illuminating	03	029
CARTRIDGES, OIL WELL	02	027
CARTRIDGES, OIL WELL	03	027
CARTRIDGES, POWER DEVICE	02	027
CARTRIDGES, POWER DEVICE	03	027
CARTRIDGES, POWER DEVICE	03	032
CARTRIDGES, POWER DEVICE	02	038
CARTRIDGES, SIGNAL	02	005
CARTRIDGES, SIGNAL	03	031
CARTRIDGES, SIGNAL	03	040
CARTRIDGES, SMALL ARMS	03	001
CARTRIDGES, SMALL ARMS	03	033
CARTRIDGES, SMALL ARMS	02	041
CARTRIDGES, SMALL ARMS, BLANK	03	001
CARTRIDGES, SMALL ARMS, BLANK	02	032
CARTRIDGES, SMALL ARMS, BLANK	03	033
Cartridges, starter, jet engine	02	038
Cartridges, starter, jet engine	02	027
Cartridges, starter, jet engine	03	027
Cartridges, starter, jet engine	03	032
CASES, CARTRIDGE, EMPTY, WITH PRIMER	03	005
CASES, CARTRIDGE, EMPTY, WITH PRIMER	03	037
CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	03	044
CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	02	044
Casinghead gasoline	14	120
CASTOR BEANS	35	296

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
CASTOR FLAKE	35	296
CASTOR MEAL	35	296
CASTOR POMACE	35	296
CAUSTIC ALKALI LIQUID, N.O.S.	37	171
Caustic potash	37	181
Caustic soda	37	182
Caustic soda liquor	37	182
CELLS, CONTAINING SODIUM	26	329
CELLULOID in block, rods, rolls, sheets, tubes, etc, except scrap	52	200
CELLULOID, SCRAP	23	200
Cement	14	113
CERIUM, slabs, ingots or rods	29	133
CERIUM, turnings or gritty powder	26	307
Cer mishmetall	29	132
CG	07	107
Charcoal, activated	20	136
Charcoal, non-activated	20	136
CHARGES, BURSTING, PLASTICS BONDED	02	045
CHARGES, BURSTING, PLASTICS BONDED	02	045
CHARGES, BURSTING, PLASTICS BONDED	03	045
CHARGES, BURSTING, PLASTICS BONDED	03	046
CHARGES, DEMOLITION	02	004
CHARGES, DEPTH	02	005
Charges, expelling, explosive, for fire extinguishers	02	03
Charges, expelling, explosive, for fire extinguishers	02	027
Charges, expelling, explosive, for fire extinguishers	03	027
Charges, expelling, explosive, for fire extinguishers	03	032
HARGES, EXPLOSIVE, COMMERCIAL without detonator	02	044
HARGES, EXPLOSIVE, COMMERCIAL without detonator	02	044
HARGES, EXPLOSIVE, COMMERCIAL without detonator	03	044
HARGES, EXPLOSIVE, COMMERCIAL without detonator	03	044
CHARGES, PROPELLING	02	02
CHARGES, PROPELLING	02	027
CHARGES, PROPELLING	02	04
CHARGES, PROPELLING	02	049
CHARGES, PROPELLING, FOR CANNON	02	024
HARGES, PROPELLING, FOR CANNON	02	027
CHARGES, PROPELLING, FOR CANNON	02	04
CHARGES, PROPELLING, FOR ROCKET MOTORS	02	027

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
CHARGES, PROPELLING, FOR ROCKET MOTORS	02	0274
CHARGES, PROPELLING, FOR ROCKET MOTORS	02	0416
CHARGES, SHAPED, FLEXIBLE, LINEAR	03	023
CHARGES, SHAPED, FLEXIBLE, LINEAR	02	0288
CHARGES, SHAPED, without detonator	02	0059
CHARGES, SHAPED, without detonator	02	0439
CHARGES, SHAPED, without detonator	03	0440
CHARGES, SHAPED, without detonator	03	044
CHARGES, SUPPLEMENTARY, EXPLOSIVE	02	006
CHEMICAL KIT	47	331
CHEMICAL SAMPLE, TOXIC, liquid or solid	34	331
Chile saltpetre	31	149
CHLORAL, ANHYDROUS, STABILIZED	36	207
CHLORATE AND BORATE MIXTURE	31	145
CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	31	145
CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	31	340
CHLORATES, INORGANIC, N.O.S.	31	146
CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	321
CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	31	262
CHLORINATED ANTHRACENE OIL	17	2230
CHLORINE	12	101
CHLORINE PENTAFLUORIDE	12	254
CHLORINE TRIFLUORIDE	12	174
CHLORITES, INORGANIC, N.O.S.	31	146
CHLORITE SOLUTION	37D	190
Chloroacetaldehyde	36	223
CHLOROACETIC ACID, MOLTEN	36	325
CHLOROACETIC ACID, SOLID	36	175
CHLOROACETIC ACID SOLUTION	36	175
CHLOROACETONE, STABILIZED	19D	169
CHLOROACETONITRILE	19	266
CHLOROACETOPHENONE, LIQUID	36	341
CHLOROACETOPHENONE, SOLID	36	169
CHLOROACETYL CHLORIDE	39	175
CHLOROANILINES, LIQUID	37	201
CHLOROANILINES, SOLID	37	201
CHLOROANISIDINES	35	223
CHLOROBENZENE	17	113
CHLOROBENZOTRIFLUORIDES	19	2234

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
p-CHLOROBENZOYL PEROXIDE	32	2113
p-CHLOROBENZOYL PEROXIDE	32	2114
p-CHLOROBENZOYL PEROXIDE	32	2115
CHLOROBENZYL CHLORIDES, LIQUID	36	2235
CHLOROBENZYL CHLORIDES, SOLID	36	3427
1-Chloro-3-bromopropane	34	2688
1-Chlorobutane	18	1127
2-Chlorobutane	18	1127
CHLOROBUTANES	18	1127
CHLOROCRESOLS, SOLUTION	35	2669
CHLOROCRESOLS, SOLID	35	3437
3-CHLORO-4-DIETHYLAMINOBENZENE-DIAZONIUM ZINC CHLORIDE	21	3033
CHLORODIFLUOROBROMOMETHANE (REFRIGERANT GAS R 12B1)	06	1974
1-CHLORO-1,1-DIFLUOROETHANE (REFRIGERANT GAS R 142b)	04	2517
CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	06	1018
CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane		
(REFRIGERANT GAS R 502)	06	1973
3-Chloro-1,2-dihydroxypropane	36	2689
Chlorodimethyl ether	19	1135
CHLORODINITROBENZENES, LIQUID	36D	1577
CHLORODINITROBENZENES, SOLID	36D	3441
2-CHLOROETHANAL	36	2232
Chloroethane	04	1037
Chloroethane nitrile	19	2668
2-Chloroethanol	19	1135
CHLOROFORM	34	1888
CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	36	3277
CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	38	2742
Chloromethane	05	1063
1-Chloro-3-methylbutane	18	1107
2-Chlor-2-methylbutane	18	1107
CHLOROMETHYL CHLOROFORMATE	40	2745
Chloromethyl cyanide	19	2668
CHLOROMETHYL ETHYL ETHER	17	2354
Chlormethyl methyl ether	18	1239
3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	39	2236
3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	39	3428
3-Chloro-2-methylprop-1-ene	16P	2554

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
CHLORONITROANILINES	36	223
CHLORONITROBENZENES, SOLID	35D	1578
CHLORONITROBENZENES, LIQUID	35D	3409
CHLORONITROTOLUENES, LIQUID	35	2433
CHLORONITROTOLUENES, SOLID	35	345
CHLOROTOLUIDINES, LIQUID	36	3429
CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)	06	1020
B-CHLOROPEROXYBENZOIC, ACID	32	2755
CHLOROPHENOLATES, LIQUID	37	290
CHLOROPHENOLATES, SOLID	37	290
CHLOROPHENOLS, LIQUID	36	202
CHLOROPHENOLS, SOLID	36	202
CHLOROPHENYLTRICHLOROSILANE	39	175
CHLOROPICRIN	37D	158
CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 25% chloropicrin	07	158
CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	05	158
CHLOROPICRIN MIXTURE, N.O.S.	37	158
CHLOROPLATINIC ACID, SOLID	37	250
CHLOROPRENE, STABILIZED	17P	199
-CHLOROPROPANE	16	127
2-CHLOROPROPANE	18	235
-Chloro-propanediol-1,2	36	268
B-CHLOROPROPANOL-1	36	284
2-CHLOROPROPENE	18P	245
3-Chloropropene	18	110
-Chloroprop-1-ene	18	110
-CHLOROPROPIONIC ACID	36	251
2-CHLOROPYRIDINE	36	282
CHLOROSILANES, CORROSIVE, N.O.S.	39	298
CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	25	298
CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	25	298
CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	39	336
HLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	25	336
HLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	26	298
CHLOROSULPHONIC ACID (with or without sulphur trioxide)	40	175
-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	06	102
Chlorotrifluoroethylene	04P	108
CHLOROTOLUENES	18	223
-CHLORO-0-TOLUIDINE HYDROCHLORIDE, SOLID	36	1579

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
4-CHLORO-0-TOLUIDINE HYDROCHLORIDE SOLUTION	36	341(
CHLOROTOLUIDINES, SOLID	36	2239
CHLOROTOLUIDINES, LIQUID	36	3429
1-CHLORO-2,2,2-TRIFLUOROETHANE (REFRIGERANT GAS R 133a)	06	1983
Chlorotrifluoroethylene	04P	108
CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	06	102
CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane		
(REFRIGERANT GAS R 503)	06	259
Chromic acid, solid	31	146
CHROMIC ACID SOLUTION	37	175
CHROMIC FLUORIDE, SOLID	37	175
CHROMIC FLUORIDE SOLUTION	37	175
Chromic nitrate	31	272
Chromium (VI) dichloride dioxide	40	175
Chromium (III) fluoride	37	175
CHROMIUM NITRATE	31	272
Chromium (III) nitrate	31	272
CHROMIUM OXYCHLORIDE	40	175
CHROMIUM TRIOXIDE, ANHYDROUS	31	146
CHROMOSULPHURIC ACID	37	224
Chrysotile	47	259
CIGARETTES	20	186
Cinene	14	205
Cinnamene	19P	205
Cinnamol	19P	205
CK	07	158
Clinical specimens	41	337
CLINICAL WASTE, UNSPECIFIED, N.O.S.	41	329
CN	36	169
COAL GAS, COMPRESSED	05	102
COAL TAR DISTILLATES, FLAMMABLE	14	113
COAL TAR DISTILLATE, HFP	15	113
Coal tar naphtha	14	259
Coal tar oil	14	113
COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	14	113
COBALT NAPHTHENATES, POWDER	20	200
COBALT RESINATE, PRECIPITATED	20	131

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
Cocculus	36	317
COCCULUS, SOLID	34	158
Collodion cottons	02	034
Collodion cottons	02	034
Collodion cottons	02	034
Collodion cottons	52	205
Collodion cottons	52	255
Collodion cottons	52	255
Collodion cottons	52	255
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	02	038
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	03	038
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	03	038
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	02	040
Composition B	02	01
COMPRESSED GAS, N.O.S.	06	195
COMPRESSED GAS, FLAMMABLE, N.O.S.	04	195
COMPRESSED GAS, OXIDIZING, N.O.S.	10	315
COMPRESSED GAS, TOXIC, N.O.S.	07	195
COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	07	330
COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	05	195
COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	05	330
COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	12	330
COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	12	330
CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	e 02	024
CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	e 02	024
COPPER ACETOARSENITE	34	158
COPPER ARSENITE	34	158
Copper (II) arsenite	34	158
COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	277
COPPER BASED PESTICIDE, LIQUID, TOXIC	34	301
COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23	°C 17	300
COPPER BASED PESTICIDE, SOLID, TOXIC	34	27
COPPER CHLORATE	31	272
Copper (II) chlorate	31	272
COPPER CHLORIDE	37	280
COPPER CYANIDE	34	158
Copper selenate	34	263
Copper selenite	34	263
COPRA	20	136

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
CORD, DETONATING, flexible	02	0065
CORD, DETONATING, flexible	03	0289
CORD (FUSE), DETONATING, metal clad	02	0102
CORD (FUSE), DETONATING, metal clad	02	0290
CORD (FUSE), DETONATING, MILD EFFECT, metal clad	03	0104
CORD, IGNITER	03	0066
Cordite	02	0160
Cordite	02	0161
CORROSIVE LIQUID, N.O.S.	37	1760
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	37	3264
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	37	3265
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	37	3266
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	37	3267
CORROSIVE LIQUID, FLAMMABLE, N.O.S.	18	2920
CORROSIVE LIQUID, OXIDIZING, N.O.S.	31	3093
CORROSIVE LIQUID, SELF-HEATING, N.O.S.	25	3301
CORROSIVE LIQUID, TOXIC, N.O.S.	37	2922
CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	26	3094
CORROSIVE SOLID, N.O.S.	37	1759
CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	37	3260
CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	37	3261
CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	37	3262
CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	37	3263
CORROSIVE SOLID, FLAMMABLE, N.O.S.	36	2921
CORROSIVE SOLID, OXIDIZING, N.O.S.	31	3084
CORROSIVE SOLID, SELF-HEATING, N.O.S.	23	3095
CORROSIVE SOLID, TOXIC, N.O.S.	37	2923
CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	26	3096
COTTON WASTE, OILY	20	1364
COTTON, WET	20	1365
COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	3024
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	34	3026
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	3025
COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	34	3027
Creosote	36	2810
Creosote salts	20	1334
	36	2076

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
CRESOLS, SOLID	36	345
CRESYLIC ACID	36	202
Crocidolite	47	221
CROTONALDEHYDE	18P	1143
CROTONALDEHYDE, STABILIZED	18P	114
CROTONIC ACID, SOLID	36	282
CROTONIC ACID, LIQUID	36	347
Crotonic aldehyde, stabilized	18P	114
CROTONYLENE	14D	114
Crude naphtha	14	126
CS	36	281
Cumene	19	191
CUMENE HYDROPEROXIDE	32	2116
CUMYL PEROXYNEODECANOATE	33	2963
CUMYL PEROXYPIVALATE	33	2964
Cupric chlorate	31	272
CUPRIETHYLENEDIAMINE SOLUTION	37	176
CUT BACKS, ASPHALT	16	199
CUTTERS, CABLE, EXPLOSIVE	03	007
X	36	281
CYANIDE SOLUTION, N.O.S.	40	193
CYANIDES, INORGANIC, SOLID, N.O.S.	40	158
Cyanides, organic, flammable, toxic, n.o.s.	16	327
Cyanides, organic, toxic, n.o.s.	35	327
Cyanides, organic, toxic, n.o.s.	35	343
Cyanides, organic, toxic, flammable, n.o.s.	16	264
Cyanoacetonitrile	36	264
CYANOGEN	05	102
SYANOGEN BROMIDE	40	188
SYANOGEN CHLORIDE, STABILIZED	07	158
CYANURIC CHLORIDE	40	267
CYCLOBUTANE	04	260
CYCLOBUTYL CHLOROFORMATE	38	274
,5,9-CYCLODODECATRIENE	36	251
CYCLOHEPTANE	14	224
CYCLOHEPTATRIENE	17	260
,3,5-Cycloheptatriene	17	260
CYCLOHEPTENE	14	224
,4-Cyclohexadienedione	17	305

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
CYCLOHEXANE	14	1145
Cyclehexanethiol	17	3054
CYCLOHEXANONE	15	1915
CYCLOHEXANONE PEROXIDE	32	2896*
CYCLOHEXANONE PEROXIDE(S)	32	2117*
CYCLOHEXANONE PEROXIDE(S)	32	2118*
CYCLOHEXANONE PEROXIDE(S)	32	2119*
CYCLOHEXENE	14	2256
CYCLOHEXENYLTRICHLOROSILANE	39	1762
CYCLOHEXYL ACETATE	18	2243
CYCLOHEXYLAMINE	19	2357
CYCLOHEXYL ISOCYANATE	38	2488
CYCLOHEXYL MERCAPTAN	17	3054
CYCLOHEXYLTRICHLOROSILANE	39	1763
CYCLONITE	02	0072
CYCLONITE	02	0391
CYCLONITE	02	0483
CYCLOOCTADIENE PHOSPHINES	23	2940
CYCLOOCTADIENES	19P	2520
CYCLOOCTATETRAENE	15P	2358
CYCLOPENTANE	14	1146
CYCLOPENTANOL	17	2244
CYCLOPENTANONE	15	2245
CYCLOPENTENE	14	2246
CYCLOPROPANE	04	1027
CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), DESENSITIZED CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), WETTED with	02	0484
not less than 15% water, by mass CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN) MIXTURE,	02	0226
DESENSITIZED with not less than 10% phlegmatizer, by mass CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND	02	0391
CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN) MIXTURE, WETTED with not less than 15% water, by mass	02	0391
CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED	0 02	0483
CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass	02	0072
CYMENES	19	2046
Cymol	19	2046
DA	34	1699

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
DANGEROUS GOODS IN APPARATUS	47	3363
DANGEROUS GOODS IN MACHINERY	47	3363
DC	36	2810
Deanol	18	2051
DECABORANE	23	1868
DECAHYDRONAPHTHALENE	19	1147
Decalin	19	1147
n-DECANE	15	2247
DECANOYL PEROXIDE	33	2120'
DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.	02	0132
Depth charge	02	0056
DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	52	3379
DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	52	3380
Detonating relays	02	0029
Detonating relays	02	0360
Detonating relays	03	0267
Detonating relays	03	0361
Detonating relays	03	0455
Detonating relays	03	0500
DETONATOR ASSEMBLIES, NON-ELECTRIC, for blasting	02	0360
DETONATOR ASSEMBLIES, NON-ELECTRIC, for blasting	03	0361
DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	03	0500
DETONATORS FOR AMMUNITION	02	0073
DETONATORS FOR AMMUNITION	02	0364
DETONATORS FOR AMMUNITION	03	0365
DETONATORS FOR AMMUNITION	03	0366
DETONATORS, ELECTRIC for blasting	03	0255
DETONATORS, ELECTRIC for blasting	03	0030
DETONATORS, ELECTRIC for blasting	02	0456
DETONATORS, NON-ELECTRIC for blasting	03	0029
DETONATORS, NON-ELECTRIC for blasting	03	0267
DETONATORS, NON-ELECTRIC for blasting	02	0455
DEUTERIUM, COMPRESSED	04	1957
DEVICES, SMALL, HYDROCARBON GAS POWERED with release device	04	3150
DIACETONE ALCOHOL	16	1148
DIACETONE ALCOHOL PEROXIDES	33	2163
Diagnostic specimens	41	3373
DIALLYLAMINE	19	2359
DIALLYL ETHER	16P	2360

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
4,4'-DIAMINODIPHENYLMETHANE	36	265
1,2-Diaminoethane	19	160
Diaminopropylamine	36	226
DI-n-AMYLAMINE	19	284
DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	02	007
2'DIAZO-1-1-NAPHTHIDE-4-SULPHOCHORIDE	21	3042
2'DIAZO-1-1-NAPHTHIDE-5-SULPHOCHORIDE	21	304
(DI)BENZOYL PEROXIDE	32	208
Dibenzopyridine	36	271
DIBENZYLDICHLOROSILANE	39	243
DIBENZYL PEROXYDICARBONATE	33	214
DIBORANE	13	19
DIBROMOBENZENE	115	271
,2-DIBROMOBUTAN-3-ONE	37	264
,2-Dibromo-3-chloropropane	36	287
DIBROMOCHLOROPROPANES	36	28
DIBROMODIFLUOROMETHANE	37	19
DIBROMOMETHANE	37	266
DI-n-BUTYLAMINE	36	224
DIBUTYLAMINOETHANOL	36	287
2-Dibutylaminoethanol	36	287
N,N-Di-n-butylaminoethanol	36	287
DI-(4-tert-BUTYLCYCLOHEXYL) PEROXYDICARBONATE	33	215
DI-(4-tert-BUTYL CYCLOHEXYL) PEROXYDICARBONATE	33	289
DIBUTYL ETHERS	15	114
2,2-DI-(tert-BUTYLPEROXY) BUTANE	32	211
,1-DI-(tert-BUTYLPEROXY) CYCLOHEXANE	32	217
,1-DI-(tert-BUTYLPEROXY) CYCLOHEXANE	32	218
I,2-DI-(tert-BUTYLPEROXY) CYCLOHEXANE	32	289
I,1-DI-(4-tert-BUTYLPEROXY) CYCLOHEXANE	32	306
DI-(sec-BUTYL) PEROXYDICARBONATE	33	215
DI-(sec-BUTYL) PEROXYDICARBONATE	33	215
,4-DI-2(2-tert-BUTYLPEROXYISOPROPYL) BENZENE, and MIXTURES	32	211
DI-(tert-BUTYLPEROXY) PHTHALATE	32	210
DI-(tert-BUTYLPEROXY) PHTHALATE	32	210
2,2-DI-(tert-BUTYLPEROXY) PROPANE	32	288
2,2-DI-(tert-BUTYLPEROXY) PROPANE	32	288
2,2-DI-(tert-BUTYLPEROXY) PROPANE	32	288

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYL CYCLOHEXANE	32	2145
1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYL CYCLOHEXANE	32	2146
1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYL CYCLOHEXANE	32	2147
DICETYL PEROXYDICARBONATE	33	2164
DICETYL PEROXYDICARBONATE	33	2895
DICHLOROACETIC ACID	36	1764
1,3-DICHLOROACETONE	36	2649
DICHLOROACETYL CHLORIDE	39	176
DICHLOROANILINES, LIQUID	36	1590
DICHLOROANILINES, SOLID	36	3442
o-DICHLOROBENZENE	35	159
(1,4)para-DICHLOROBENZENE	35	1592
2,4-DICHLOROBENZOYL PEROXIDE	32	2137
2,4-DICHLOROBENZOYL PEROXIDE	32	2138
2,4-DICHLOROBENZOYL PEROXIDE	32	2139
2,2'-DICHLORODIETHYL ETHER	35	1910
DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	06	1028
DICHLORODIFLUOROMETHANE AND DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane (REFRIGERANT GAS R 500)	06	260
Dichlorodifluoromethane and ethylene oxide mixture	07	3070
DICHLORODIMETHYL ETHER, SYMMETRICAL	36	224
I,1-DICHLOROETHANE	18	236
1,2-Dichloroethane	18	1184
1,2-DICHLOROETHYLENE	18P	1150
Di(2-chloroethyl) ether	35	1910
DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	06	1029
alpha-Dichlorohydrin	35	1910
DICHLOROISOCYANURIC ACID, DRY	31	246
DICHLOROISOCYANURIC ACID SALTS	31	246
DICHLOROISOPROPYL ETHER	36	2490
DICHLOROMETHANE	37	159
I,1-DICHLORO-1-NITROETHANE	36	265
DICHLOROPENTANES	17	115
Dichlorophenol	36	2020
Dichlorophenol	36	202
DICHLOROPHENYL ISOCYANATES	39	2250
DICHLOROPHENYLTRICHLOROSILANE	39	1766
1,2-DICHLOROPROPANE	18	1279
1,3-DICHLOROPROPANOL-2	36	2750

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PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
1,3-Dichloro-2-propanone	36	2649
DICHLOROPROPENES	19	2047
DICHLOROSILANE	05	2189
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 114)	07	1958
Dichloro-s-triazine-2,4,6-trione	31	2465
DICUMYL PEROXIDE	32	2121
1,4-Dicyanobutane	36	2205
Dicycloheptadiene	14P	2251
DICYCLOHEXYLAMINE	36	2565
Dicyclohexylamine nitrite	20	2687
DICYCLOHEXYLAMMONIUM NITRITE	20	2687
DICYCLOHEXYL PEROXYDICARBONATE	33	2152
DICYCLOHEXYL PEROXYDICARBONATE	33	2153
DICYCLOPENTADIENE	19D	2048
2,2-DI-(4,4-DI-tert-BUTYLPEROXYCYCLOHEXYL) PROPANE	32	2168
1,2-DI-(DIMETHYLAMINO) ETHANE	18	2372
DIDYMIUM NITRATE	31	146
Dieldrin	34	276
DIESEL FUEL	15	1202
1,1-Diethoxyethane	14	1088
1,2-Diethoxyethane	15	1153
DIETHOXYMETHANE	14	2373
2,5-DIETHOXY-4-MORPHOLINOBENZENE-DIAZONIUM ZINC CHLORIDE	20	3036
3,3-DIETHOXYPROPENE	14	2374
DIETHYL ALUMINIUM CHLORIDE	25	1101
DIETHYLAMINE	18	1154
2-DIETHYLAMINOETHANOL	19	2686
3-DIETHYLAMINOPROPYLAMINE	19	2684
N,N-DIETHYLANILINE	36	2432
DIETHYLBENZENE	17	2049
Diethylcarbinol	16	110
DIETHYL CARBONATE	15	2366
DIETHYLCARBINOL (3-Pentanol)	16	2706
DIETHYLDICHLOROSILANE	39	176
Diethylenediamine	36	2579
DIETHYLENEGLYCOL DINITRATE, DESENSITISZED with not less than 25%		
non volatile, water-insoluble phlegmatizer, by mass	02	0075
DIETHYLENETRIAMINE	36	2079
N,N-Diethylethanolamine	19	2686

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
DIETHYL ETHER (ETHYL ETHER)	14D	115
DI-2-(ETHYLHEXYL) PEROXYDICARBONATE	33	2122
DI-2-(ETHYLHEXYL) PEROXYDICARBONATE	33	2123
DI-(2-ETHYLHEXYL) PEROXYDICARBONATE	33	2960
N,N-DIETHYLETHYLENEDIAMINE	19	268
Di-(2-ethylhexyl) phosphoric acid	36	190
DIETHYL KETONE	14	115
DIETHYLMAGNESIUM	25	1367
DIETHYL PEROXYDICARBONATE	33	2175
DIETHYL SULPHATE	36	159
DIETHYL SULPHIDE	26	237
DIETHYLTHIOPHOSPHORYL CHLORIDE	38	275
DIETHYLZINC	25	1366
Diethylzinc	26	339
2,4-Difluoroaniline	04	251
Difluorochloroethane	04	251
1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	04	103
1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	04P	195
DIFLUOROMETHANE (REFRIGERANT GAS R 32)	04	325
Difluoromethane, pentafluroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 23% difluoromethane and 35% pentafluoroethane	06	334
Difluoromethane, pentafluroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 23% difluoromethane and 35% pentafluoroethane	06	333
Difluoromethane, pentafluroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 23% difluoromethane and 35% pentafluoroethane	06	333
DIFLUOROPHOSPHORIC ACID, ANHYDROUS	37	176
2,2-DIHYDROPEROXY PROPANE	32	2178
2,3-DIHYDROPYRAN	14	237
p-Dihydroxybenzene	36	266
DI-(1-HYDROXYCYCLOHEXYL) PEROXIDE	32	2148
DIISOBUTYLAMINE	19	236
DIISOBUTYLENE, ISOMERIC COMPOUNDS	14	205
alpha-Diisobutylene	14	205
beta-Diisobutylene	14	205
DIISOBUTYL KETONE	15	115
DIISOBUTYRYL PEROXIDE	33	2182
DIISOOCTYL ACID PHOSPHATE	36	190
DIISOPROPYLAMINE	18	115
DI-ISO-PROPYLBENZENE HYDROPEROXIDE	32	2171
DIISOPROPYL ETHER	14	1159

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
DIISOPROPYLETHANOLAMINE	14	2825*
DIISOPROPYL PEROXYDICARBONATE	33	2133*
DIISOPROPYL PEROXYDICARBONATE	33	2134*
DI-ISO-TRIDECYL PEROXYDICARBONATE	33	2889*
DIKETENE, STABILIZED	39P	2521
DILAUROYL PEROXIDE	32	2124*
DILAUROYL PEROXIDE	32	2893*
1,1-DIMETHOXYETHANE	14	2377
1,2-DIMETHOXYETHANE	14	2252
Dimethoxystrychnine	35	1570
DIMETHYLAMINE, ANHYDROUS	05	1032
DIMETHYLAMINE AQUEOUS SOLUTION	18	1160
2-DIMETHYLAMINOACETONITRILE	18	2378
4-DIMETHYLAMINO-6-(2-DIMETHYLAMINOETHOXY) TOLUENE-2-DIAZONIUM ZINC CHLORIDE	22	3039*
2-DIMETHYLAMINOETHANOL	18	2051
2-DIMETHYLAMINOETHYL ACRYLATE	36	3302
2-DIMETHYLAMINOETHYL METHACRYLATE	36P	2522
N,N-DIMETHYLANILINE	36	2253
Dimethylarsenic acid	34	1572
N,N-Dimethylbenzylamine	36	2619
2,3-DIMETHYLBUTANE	14	2457
1,3-DIMETHYLBUTYLAMINE	18	2379
DIMETHYLCARBAMOYL CHLORIDE	39	2262
DIMETHYL CARBONATE	18	1161
DIMETHYLCYCLOHEXANES	14	2263
N,N-DIMETHYLCYCLOHEXYLAMINE	19	2264
2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE	32	2172*
2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE	32	2173*
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) DEXYNE-3	32	2158*
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) DEXYNE-3	32	2159*
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) HEXANE	32	2155*
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) HEXANE	32	2156*
2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE	32	2959*
DIMETHYLDICHLOROSILANE	25	1162
DIMETHYLDIETHOXYSILANE	14	2380
2,5-DIMETHYL-2,5-DI-(2-ETHYLHEXANOYLPEROXY) HEXANE	33	2157*
2,5-DIMETHYL-2,5-DIHYDROPEROXY HEXANE	32	2174*
DIMETHYLDIOXANES	15	2707

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
DIMETHYL DISULPHIDE	18	238
2,5-DIMETHYL-2,5-DI-(3,5,5-TRIETHYL HEXANOYLPEROXY)-HEXANE	32	3060
Dimethylethanolamine	18	205
DIMETHYL ETHER	04D	1033
N,N-DIMETHYLFORMAMIDE	19	226
DIMETHYLHYDRAZINE, SYMMETRICAL	16	238
DIMETHYLHYDRAZINE, UNSYMMETRICAL	18	1163
1,1-Dimethylhydrazine	18	116
DIMETHYLMAGNESIUM	25	1368
N,N-Dimethyl-4-nitrosoaniline	18	205
2,2-DIMETHYLPROPANE	04	204
DIMETHYL-N-PROPYLAMINE	19	226
DIMETHYL SULPHATE	39	159
DIMETHYL SULPHIDE	18	116
DIMETHYL THIOPHOSPHORYL CHLORIDE	39	226
DIMETHYLZINC	25	1370
Dimethylzinc	26	339
DIMYRISTYL PEROXYDICARBONATE	33	259
DIMYRISTYL PEROXYDICARBONATE	33	2892
DINGU	02	048
DINITROANILINES	36D	159
DINITROBENZENES, LIQUID	35D	159
DINITROBENZENES, SOLID	36	344
Dinitrochlorobenzene	36D	157
DINITRO-0-CRESOL	36D	159
DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	12	106
DINITROGLYCOLURIL (DINGU)	02	048
DINITROPHENOL dry or wetted with less than 15% water, by mass	02	007
DINITROPHENOL SOLUTION	37	159
DINITROPHENOL, WETTED with not less than 15% water, by mass	52	132
DINITROPHENOLATES, alkali metals, dry or wetted with less than 15% water, by mass	s 02	007
DINITROPHENOLATES, WETTED with not less than 15% water, by mass	52	132
DINITRORESORCINOL, dry or wetted with less than 15% water, by mass	02	007
DINITRORESORCINOL, WETTED with not less than 15% water, by mass	52	132
DINITROSOBENZENE	02	040
N,N'-DINITROSO-PENTAMETHYLENE TETRAMINE	21	2972
N,N'-DINITROSO-N,N'-DIMETHYL TEREPHTHALIMIDE	21	2973
Dinitrotoluene mixed with sodium chlorate	02	008
DINITROTOLUENES, LIQUID	35D	2038

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
DINITROTOLUENES, MOLTEN	35D	1600
DINITROTOLUENES, SOLID	35D	3454
DI-n-NONANOYL PEROXIDE	33	2130*
DI-n-OCTANOYL PEROXIDE	33	2129*
DIOXANE	14	1165
DIOXOLANE	14	1166
DIPENTENE	14	2052
DIPEROXY AZELAIC ACID	33	2958
DIPEROXY DODECANE DIACID	33	3063
DI-(2-PHENOXYETHYL)-PEROXYDICARBONATE	32	3058
DI-(2-PHENOXYETHYL)-PEROXYDICARBONATE	32	3059
DIPHENYLAMINE CHLOROARSINE	37	1698
DIPHENYLCHLOROARSINE, LIQUID	34	1699
DIPHENYLCHLOROARSINE, SOLID	34	3450
DIPHENYLDICHLOROSILANE	39	1769
DIPHENYLMETHANE-4,4'-DIISOCYANATE (MDI)	39	2489
DIPHENYLMETHYL BROMIDE	36	1770
DIPHENYLOXIDE-4,4'-DISULPHOHYDRAZIDE	20	2951
Diphosgene	07	1076
DIPICRYLAMINE	02	0079
DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass	02	0401
DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	52	2852
DIPROPYLAMINE	18	2383
4-DIPROPYLAMINO-BENZENE-DIAZONIUM ZINC CHLORIDE	21	3034
Dipropylene triamine	36	2269
DI-n-PROPYL ETHER	14	2384
DIPROPYL KETONE	15	2710
DI-n-PROPYL PEROXYDICARBONATE	33	2176
DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	36	1903
DISINFECTANT, LIQUID, TOXIC, N.O.S.	34	3142
DISINFECTANT, SOLID, TOXIC, N.O.S.	34	1601
DISODIUM TRIOXOSILICATE	37	3253
DISUCCINIC ACID PEROXIDE	32	2135
DISUCCINIC ACID PEROXIDE	33	2962
DI-(3,5,-TRIMETHYL-1,2-DIOXOLANYL-3) PEROXIDE	33	2597
DIVINYL ETHER, STABILIZED	14P	1167
DM	37	1698
DODECYLTRICHLOROSILANE	39	1771
DP	07	1076

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
DRIERS, PAINT or VARNISH, LIQUID, N.O.S.	14	1168
DRIERS, PAINT or VARNISH, SOLID, N.O.S.	20	1371
DRY ICE	09	1845
DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	37	2801
DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	34	1602
DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	37	3147
DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	34	3143
DYE, LIQUID, CORROSIVE, N.O.S.	37	2801
DYE, LIQUID, TOXIC, N.O.S.	34	1602
DYE, SOLID, CORROSIVE, N.O.S.	37	3147
DYE, SOLID, TOXIC, N.O.S.	34	3143
Dynamite	02	0081
ED	34	1892
Electric storage batteries	37	2794
Electric storage batteries	37	2795
Electric storage batteries	37	2800
Electric storage batteries	37	3028
Electrolyte (acid or alkaline) for batteries	37	2796
Electrolyte (acid or alkaline) for batteries	37	2797
ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100°C and below its flashpoint (including molten metals, molten salts, etc)	15	3257
ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with a flashpoint above 60.5°C, at or above its flashpoint	15	3256
ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240°C	47	3258
ENGINE, FUEL CELL, FLAMMABLE GAS POWERED	14	3166
ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED	14	3166
ENGINE, INTERNAL COMBUSTION	14	3166
Engines, rocket	02	0322
Engines, rocket	02	0250
ENGINE STARTING FLUID	04	1960
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	47	3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	47	3077
EPIBROMOHYDRIN	18	2558
EPICHLOROHYDRIN	18P	2023
1,2-Epoxybutane, stabilized	14P	3022
Epoxyethane	05D	1040
1,2-EPOXY-3-ETHOXYPROPANE	15	2752
2,3-Epoxy-1-propanal	19P	2622
2,3-Epoxypropyl ethyl ether	15	2752

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ERADICATORS, PAINT or GREASE, LIQUID	19	1850*
ESTERS, N.O.S.	14	3272
ETHANE	04	1035
ETHANE, REFRIGERATED LIQUID	04	1961
Ethanethiol	16	2363
ETHANOL (ETHYL ALCOHOL)	14	1170
ETHANOL AND GASOLINE MIXTURE	14	3475
ETHANOL AND PETROL MIXTURE	14	3475
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	14	1170
ETHANOLAMINE or ETHANOLAMINE SOLUTION	36	2491
Ether	14D	1155
ETHERS, N.O.S.	14	3271
2-Ethoxyethanol	15	1171
2-Ethoxyethyl acetate	19	1172
Ethoxy propane-1	14	2615
ETHYL 2-CHLOROPROPIONATE	19	2935
Ethyl-alpha-chloropropionate	19	2935
ETHYL ACETATE	18	1173
ETHYLACETYLENE, STABILIZED	04P	2452
ETHYL ACRYLATE, STABILIZED	18P	1917
ETHYL ALCOHOL	14	1170
ETHYL ALCOHOL SOLUTION	14	1170
ETHYLALUMINIUM DICHLORIDE	25	1924*
ETHYLALUMINIUM SESQUICHLORIDE	25	1925*
ETHYLAMINE	05	1036
ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	18	2270
ETHYL AMYL KETONE	15	2271
N-ETHYLANILINE	36	2272
2-ETHYLANILINE	36	2273
ETHYLBENZENE	16	1175
N-ETHYL-N-BENZYLANILINE	36	2274
N-ETHYLBENZYLTOLUIDINES, LIQUID	36	2753
N-ETHYLBENZYLTOLUIDINES, SOLID	36	3460
ETHYL BORATE	38	1176
ETHYL BROMIDE	17	1891
ETHYL BROMOACETATE	38	1603
2-ETHYLBUTANOL	17	2275
2-ETHYLBUTYL ACETATE	19	1177

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
2-Ethylbutyl acetate	19	1177
ETHYL BUTYL ETHER	14	1179
2-ETHYLBUTYRALDEHYDE	18	1178
ETHYL BUTYRATE	19	1180
ETHYL CHLORIDE	04	1037
ETHYL CHLOROACETATE	38	1181
Ethyl chlorocarbonate	38	1182
ETHYL CHLOROFORMATE	38	1182
ETHYL 2-CHLOROPROPIONATE	19	2935
Ethyl-alpha-chloropropionate	19	2935
ETHYL CHLOROTHIOFORMATE	38	2826
ETHYL CROTONATE	18	1862
ETHYL CYANOACETATE	39	2666
ETHYL-3,3-DI-(tert-BUTYLPEROXY) BUTYRATE	32	2184
ETHYL-3,3-DI-(tert-BUTYLPEROXY) BUTYRATE	32	2185
ETHYL-3,3-DI-(tert-BUTYLPEROXY) BUTYRATE	32	2598
ETHYLDICHLOROARSINE	34	1892
ETHYLDICHLOROSILANE	27	1183
ETHYLENE	04P	1962
ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene	04	3138
Ethvlene chloride	18	2362
ETHYLENE CHLOROHYDRIN	19	1135
ETHYLENEDIAMINE	19	1604
ETHYLENE DIBROMIDE	37	1605
Ethylene dibromide and methyl bromide, liquid mixture	34	164
ETHYLENE DICHLORIDE	18	1184
ETHYLENE GLYCOL DIETHYL ETHER	15	1153
ETHYLENE GLYCOL MONOBUTYL ETHER	35	2369
ETHYLENE GLYCOL MONOETHYL ETHER	15	1171
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	19	1172
THYLENE GLYCOL MONOMETHYL ETHER	15	1188
THYLENE GLYCOL MONOMETHYL ETHER ACETATE	19	1189
THYLENEIMINE. STABILIZED	18 18P	1185
ETHYLENE OXIDE	05P	1040
ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene ox		3300
ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	05DP	1041

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PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	06	1952
ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide	06	3297
ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxide	07	3070
ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	06	3298
ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, with not more than 30% ethylene oxide	16P	2983
ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	06	3299
ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50°C	05P	1040
ETHYLENE, REFRIGERATED LIQUID	04	1038
ETHYL ETHER	14D	1155
ETHYL FLUORIDE (REFRIGERANT GAS R 161)	04	2453
ETHYL FORMATE	18	1190
Ethylhexaldehydes	19	1191
2-ETHYLHEXYLAMINE	36	2276
2-ETHYLHEXYL CHLOROFORMATE	39	2748
Ethylidene chloride	18	2362
ETHYL ISOBUTYRATE	18	2385
ETHYL ISOCYANATE	38	2481
ETHYL LACTATE	19	1192
ETHYL MERCAPTAN	16	2363
ETHYL METHACRYLATE, STABILIZED	19P	2277
ETHYL METHYL ETHER	04	1039
ETHYL METHYL KETONE (METHYL ETHYL KETONE)	14	1193
ETHYL NITRITE SOLUTION	18	1194
ETHYL ORTHOFORMATE	19	2524
ETHYL OXALATE	39	2525
ETHYLPHENYLDICHLOROSILANE	39	2435
1-ETHYLPIPERIDINE	18	2386
ETHYL PROPIONATE	18	1195
ETHYL PROPYL ETHER	14	2615
Ethyl silicate	19	1292
Ethyl sulphate	36	1594
N-ETHYLTOLUIDINES	36	2754
ETHYLTRICHLOROSILANE	25	1196
EXPLOSIVE, BLASTING, TYPE A	02	0081

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
EXPLOSIVE, BLASTING, TYPE B	02	008
EXPLOSIVE, BLASTING, TYPE B	02	033
EXPLOSIVE, BLASTING, TYPE C	02	008
EXPLOSIVE, BLASTING, TYPE D	02	0084
EXPLOSIVE, BLASTING, TYPE E	02	024
EXPLOSIVE, BLASTING, TYPE E	02	0333
Explosives, emulsion	02	024
Explosives, emulsion	02	0333
Explosive, seismic	02	008
Explosive, seismic	02	008
Explosive, seismic	02	008
Explosive, seismic	02	033
Explosive, slurry	02	024
Explosive, slurry	02	033
Explosive, water gel	02	024
Explosive, water gel	02	033
EXTRACTS, AROMATIC, LIQUID	14	116
EXTRACTS, FLAVOURING, LIQUID	14	119
FABRICS, ANIMAL, N.O.S. with oil	23	137
FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	20	135
FABRICS, SYNTHETIC, N.O.S. with oil	23	137
FABRICS, VEGETABLE, N.O.S. with oil	23	137
FERRIC ARSENATE	34	160
FERRIC ARSENITE	34	160
FERRIC CHLORIDE, ANHYDROUS	40	177
FERRIC CHLORIDE SOLUTION	37	258
FERRIC NITRATE	31	146
FERROCERIUM	29	132
FERROSILICON with 30% or more but less than 90% silicon	27	140
FERROUS ARSENATE	34	160
Ferrous chloride, solid	37	175
Ferrous chloride, solution	37	176
FERROUS METAL BORINGS in a form liable to self-heating	29	279
FERROUS METAL CUTTINGS in a form liable to self-heating	29	279
FERROUS METAL SHAVINGS in a form liable to self-heating	29	279
FERROUS METAL TURNINGS in a form liable to self-heating	29	279
FERTILIZER AMMONIATING SOLUTION with free ammonia	07	104
Fertilizer with ammonium nitrate, n.o.s.	50	206
Fertilizer with ammonium nitrate, n.o.s.	50	207

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
FIBRES, ANIMAL burnt, wet or damp	23	1372
FIBRES, ANIMAL, N.O.S. with oil	23	1373
FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED		
NITROCELLULOSE, N.O.S.	20	1353
FIBRES, SYNTHETIC, N.O.S. with oil	23	1373
FIBRES, VEGETABLE burnt, wet or damp	23	1372
FIBRES, VEGETABLE, DRY	20	3360
FIBRES, VEGETABLE, N.O.S. with oil	23	1373
FILLERS, liquid	14	1263
Films, nitrocellulose base, from which gelatin has been removed; film scrap,	23	2002
FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	20	1324
FIRE EXTINGUISHER CHARGES, corrosive liquid	37	1774
Fire extinguisher charges, expelling, explosive	02	0381
Fire extinguisher charges, expelling, explosive	02	0275
Fire extinguisher charges, expelling, explosive	03	0276
Fire extinguisher charges, expelling, explosive	03	0323
FIRE EXTINGUISHERS with compressed or liquefied gas	08	1044
FIRELIGHTERS, SOLID with flammable liquid	20	2623
FIREWORKS	02	0333
FIREWORKS	02	0334
FIREWORKS	02	0335
FIREWORKS	03	0336
FIREWORKS	03	0337
FIRST AID KIT	47	3316
Fish meal, stabilized	47	2216
FISH MEAL (FISH SCRAP), STABILIZED	47	2216
Fish scrap, stabilized	47	2216
FISH MEAL (FISH SCRAP), UNSTABILIZED	23	1374
Fischer Tropsch gas	05	2600
Flammable gas in lighters	04	1057
FLAMMABLE LIQUID, N.O.S.	14	1993
FLAMMABLE LIQUID, CORROSIVE, N.O.S.	18	2924
FLAMMABLE LIQUID PREPARATIONS, N.O.S.	14	1142*
FLAMMABLE LIQUID, TOXIC, N.O.S.	16	1992
FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	18	3286
FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	36	3180
FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	36	2925
FLAMMABLE SOLID, INORGANIC, N.O.S.	20	3178
FLAMMABLE SOLID, ORGANIC, N.O.S.	20	1325

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	20	3176
FLAMMABLE SOLID, OXIDIZING, N.O.S.	31	3097
FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	20	3179
FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	20	2926
FLARES, AERIAL	02	0093
FLARES, AERIAL	03	0403
FLARES, AERIAL	03	0404
FLARES, AERIAL	02	0420
FLARES, AERIAL	02	042
Flares, aeroplane	02	0420
Flares, aeroplane	02	042
Flares, aeroplane	02	0093
Flares, aeroplane	03	0403
Flares, aeroplane	03	0404
Flares, highway, Flares, distress, small, Flares, railway or highway	03	019
Flares, highway, Flares, distress, small, Flares, railway or highway	03	0373
FLARES, SURFACE	02	0092
FLARES, SURFACE	02	0418
FLARES, SURFACE	02	0419
Flares, water-activated	02	0248
Flares, water-activated	02	0249
FLASH POWDER	02	0094
FLASH POWDER	02	0305
Flue dusts, toxic	35	1563
Fluoric acid	40	1790
FLUORINE, COMPRESSED	12	104
FLUOROACETIC ACID	39	2642
FLUOROANILINES	36	294
2-Fluoroaniline	36	294
4-Fluoroaniline	36	294
4-FLUOROANILINE	36	2994
p-Fluoroaniline	36	294
p-Fluoroaniline	36	294
FLUOROBENZENE	17	238
FLUOROBORIC ACID	37	1775
Fluoroethane	37	2453
Fluoroform	06	1984
Fluoromethane	04	2454
FLUOROPHOSPHORIC ACID, ANHYDROUS	37	1776

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PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
FLUOROSILICATES, N.O.S.	34	2856
FLUOROSILICIC ACID	37	1778
FLUOROSULPHONIC ACID	40	1777
FLUOROTOLUENES	16	2388
FORMALDEHYDE SOLUTION, FLAMMABLE	19	1198
FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	19	2209
Formalin	19	1198
Formalin	19	2209
Formamidine sulphinic acid	25	3341
FORMIC ACID with more than 85% acid by mass	36	1779
FORMIC ACID with not less than 10% but not more than 85% acid by mass	36	3412
FORMIC ACID with not less than 5% but less than 10% acid by mass	36	1779
Formic aldehyde	19	1198
Formic aldehyde	19	2209
2-Formyl-3,4-dihydro-2H-pyran	19P	2607
FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells	02	0099
FUEL, AVIATION, TURBINE ENGINE	14	1863
FUEL CELL CARTRIDGES containing corrosive substances	36	3477
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT containing corrosive substance	s 36	3477
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing corrosive substances	s 36	3477
FUEL CELL CARTRIDGES containing flammable liquids	15	3473
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT containing flammable liquids	15	3473
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing flammable liquids	15	3473
FUEL CELL CARTRIDGES containing hydrogen in metal hydride	04	3479
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT containing hydrogen in metal hydride	04	3479
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing hydrogen in metal hydride	04	3479
FUEL CELL CARTRIDGES containing liquefied flammable gases	04	3478
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT containing liquefied flammable gases	04	3478
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing liquefied flammable gases	04	3478
FUEL CELL CARTRIDGES containing water-reactive substances	15	3476
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT containing water-reactive substances	15	3476
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing		
water-reactive substances	15	3476
FUEL, PYROPHORIC, N.O.S.	23	1375
Fumaroyl dichloride	39	1780

FUMARYL CHLORIDE	39	1780
FUMIGATED CARGO TRANSPORT UNIT	07	3359
FURALDEHYDES	19P	1199
FURAN	14	2389
FURFURYL ALCOHOL	36	2874
FURFURYLAMINE	19	2526
Furyl carbinol	36	2874
FUSE, DETONATING, metal clad	02	0102
FUSE, DETONATING, metal clad	02	0290
FUSE, DETONATING, MILD EFFECT, metal clad	03	0104
FUSE, IGNITER, tubular, metal clad	03	0103
FUSE, NON-DETONATING	02	0101
FUSEL OIL	15	1201
FUSE, SAFETY	03	0105
Fuze, combination, percussion or time	02	0106
Fuze, combination, percussion or time	02	0107
Fuze, combination, percussion or time	02	0257
Fuze, combination, percussion or time	03	0316
Fuze, combination, percussion or time	03	0317
Fuze, combination, percussion or time	03	0367
Fuze, combination, percussion or time	03	0368
FUZES, DETONATING	02	0106
FUZES, DETONATING	02	0107
FUZES, DETONATING	03	0257
FUZES, DETONATING	03	0367
FUZES, DETONATING with protective features	02	0408
FUZES, DETONATING with protective features	02	0409
FUZES, DETONATING with protective features	03	0410
FUZES, IGNITING	02	0316
FUZES, IGNITING	03	0317
FUZES, IGNITING	03	0368
GA	36	2810
GALLIUM	30	2803
GAS CARTRIDGES without a release device, non-refillable.	04	2037
GAS DRIPS, HYDROCARBON	14	1864*
Gas drips, hydrocarbon	14	3295
GAS OIL	15	1202
GASOLINE	14	1203
Gasoline, casinghead	14	1203

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
GASOLINE AND ETHANOL MIXTURE	14	3475
GAS, REFRIGERATED LIQUID, N.O.S.	06	3158
GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	04	3312
GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	10	331
GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	04	3167
GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	07	3169
GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liqu	uid 05	3168
GB	36	2810
GD	36	2810
Gelatin, blasting	02	008
Gelatin, dynamites	02	008
GENETICALLY MODIFIED MICRO-ORGANISMS	47	324
GENETICALLY MODIFIED ORGANISMS	47	324
GERMANE	05	219
Germanium hydride	05	219
GF	36	281
Glycer-1,3-dichlorohydrin	36	275
GLYCEROL alpha-MONOCHLOROHYDRIN	36	268
Glyceryl trinitrate	02	014
Glyceryl trinitrate	02	014
Glyceryl trinitrate	52	120
Glyceryl trinitrate	52	306
GLYCIDALDEHYDE	19P	262
GRENADES, hand or rifle, with bursting charge	02	028
GRENADES, hand or rifle, with bursting charge	02	028
GRENADES, hand or rifle, with bursting charge	02	029
GRENADES, hand or rifle, with bursting charge	02	029
Grenades, illuminating	02	017
Grenades, illuminating	02	025
Grenades, illuminating	03	029
GRENADES, PRACTICE, hand or rifle	03	011
GRENADES, PRACTICE, hand or rifle	02	031
GRENADES, PRACTICE, hand or rifle	02	037
GRENADES, PRACTICE, hand or rifle	03	045
Grenades, smoke	02	001
Grenades, smoke	02	024
Grenades, smoke	02	001
Grenades, smoke	02	024
Grenades, smoke	03	030

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
GUANIDINE NITRATE	31	1467
GUANYL NITROSAMINOGUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass	02	0113
GUANYL NITROSAMINOGUANYLTETRAZENE (TETRAZENE), WETTED		
with not less than 30% water, or mixture of alcohol and water, by mass	02	0114
GUNPOWDER, COMPRESSED	02	0028
GUNPOWDER, granular or as a meal	02	002
GUNPOWDER, IN PELLETS	02	0028
Gutta percha solution	02	002
GUTTA PERCHA, SOLUTION, FLAMMABLE	14	1205
H	36	2810
HAFNIUM POWDER, DRY	25	254
HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	29	1326
HALOGENATED IRRITATING LIQUID, N.O.S.	19	1610
HAY	20	1327
HD	36	281
HEATING OIL, LIGHT	15	120
Heavy hydrogen	04	195
HELIUM, COMPRESSED	08	1040
HELIUM, REFRIGERATED LIQUID	08	1963
HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)	08	3296
n-HEPTALDEHYDE	19	3056
n-Heptanal	19	3050
HEPTANES	14	1206
4-Heptanone	15	2710
n-HEPTENE	14	2278
HEXACHLOROACETONE	37	266
HEXACHLOROBENZENE	35	2729
HEXACHLOROBUTADIENE	34	2279
Hexachloro-1,3-butadiene	34	2279
HEXACHLOROCYCLOPENTADIENE	34	264
HEXACHLOROPHENE	34	287
Hexachloro-2-propanone	37	266
HEXADECYLTRICHLOROSILANE	39	178
HEXADIENE	14	2458
HEXAETHYL TETRAPHOSPHATE	35	161
HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	07	1612
HEXAFLUOROACETONE	07	2420

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
HEXAFLUOROACETONE HYDRATE, LIQUID	34	2552
HEXAFLUOROACETONE HYDRATE, SOLID	34	3436
HEXAFLUOROETHANE (REFRIGERANT GAS R 116)	06	2193
HEXAFLUOROPHOSPHORIC ACID	37	1782
HEXAFLUOROPROPYLENE (REFRIGERANT GAS R 1216)	06P	1858
Hexahydrocresol	17	2617
Hexahydromethyl phenol	17	2617
HEXALDEHYDE	19	1207
HEXAMETHYLENEDIAMINE, SOLID	36	2280
HEXAMETHYLENEDIAMINE SOLUTION	36	1783
HEXAMETHYLENE DIISOCYANATE	39	2281
HEXAMETHYLENEIMINE	18	2493
HEXAMETHYLENETETRAMINE	20	1328
3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE	32	2165
3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE	32	2166
3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE	32	2167
Hexamine	20	1328
HEXANES	14	1208
HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)	02	0079
HEXANITROSTILBENE	02	0392
Hexanoic acid	20	1328
HEXANOLS	17	2282
1-HEXENE	14	2370
HEXOGEN	02	0072
HEXOGEN	02	0391
HEXOGEN	02	0483
HEXOLITE, dry or wetted with less than 15% water, by mass	02	0118
HEXOTOL	02	0118
HEXOTONAL	02	0393
HEXOTONAL, cast	02	0393
HEXYL	02	0079
HEXYLTRICHLOROSILANE	39	1784
HL	36	2810
НМХ	02	0226
НМХ	02	0391
НМХ	02	0484
HN-1	36	2810
HN-2	36	2810
HN-3	36	2810

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
HYDRAZINE, ANHYDROUS	18D	202
IYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	19D	203
IYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	34	329
IYDRAZINE AQUEOUS SOLUTION, FLAMMABLE, with more than		
37% hydrazine, by mass	36	3484
łydrazine hydrate	19D	203
łydrides, metal, water-reactive, n.o.s.	26	140
HYDRIODIC ACID	37	178
łydroiodic acid, anhydrous	07	219
IYDROBROMIC ACID	37	178
IYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	04	196
HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as		
nixtures A, A01, A02, A0, A1, B1, B2, B or C	04	196
IYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device	04	315
IYDROCARBONS, LIQUID, N.O.S.	14	329
IYDROCHLORIC ACID	40	178
HYDROCYANIC ACID, AQUEOUS SOLUTION with not more than 20% hydrogen cyanide	37D	161
HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	40	178
HYDROFLUORIC ACID, with more than 60% hydrofluoric acid	40	179
HYDROFLUORIC ACID, with not more than 60% hydrofluoric acid	40	179
łydrofluoroboric acid	37	177
łydrofluorosilicic acid	37	177
HYDROGEN AND METHANE MIXTURE, COMPRESSED	04	203
lydrogen arsenide	05	218
HYDROGEN BROMIDE, ANHYDROUS	07	104
lydrogen bromide solution	37	178
HYDROGEN CHLORIDE, ANHYDROUS	07	105
HYDROGEN CHLORIDE, REFRIGERATED LIQUID	07	218
HYDROGEN, COMPRESSED	04	104
HYDROGEN CYANIDE, AQUEOUS SOLUTION with not more than 20% hydrogen cyanide	37D	161
YDROGEN CYANIDE, SOLUTION IN ALCOHOL, with not more than 45% hydrogen cyanide	16	329
IYDROGEN CYANIDE, STABILIZED containing less than 3% water	05DP	105
IYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material	18D	161
tyDROGENDIFLUORIDES,SOLID, N.O.S.	37	174
IYDROGENDIFLUORIDES SOLUTION, N.O.S.	37	347
IYDROGEN FLUORIDE, ANHYDROUS	07	105

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
Hydrogen fluoride solution	40	179
HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM	04	346
HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT	04	346
HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT	04	346
HYDROGEN IODIDE, ANHYDROUS	07	219
Hydrogen iodide solution	37	178
HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	31	314
HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	31	298
HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	31	201
HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more	04	0.04
than 60% hydrogen peroxide	31	201
HYDROGEN PEROXIDE, STABILIZED	31 04	201 196
HYDROGEN, REFRIGERATED LIQUID HYDROGEN SELENIDE. ANHYDROUS	• •	220
	05 13D	220
Hydrogen silicide		
HYDROGEN SULPHIDE	05 36	105
Hydroquinol HYDROQUINONE	36 36	266 266
HYDROQUINONE SOLUTION	36	343
Hydroselenic acid	05	220
Hydrosilicofluoric acid	03 37	177
I-HYDROXYBENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	02	050
1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, WETTED (Aust) with not less than 20% water by mass	52	347
1-HYDROXYBENZOTRIAZOLE MONOHYDRATE	52	347
3-Hydroxybutan-2-one	15P	262
HYDROXYLAMINE SULPHATE	37	286
3-(2-HYDROXYETHOXY)-4-PYRROLIDIN-1-YL-BENZENE-DIAZONIUM ZINC CHLORIC	E 22	303
1-Hydroxy-3-methyl-2-penten-4-yne	19P	270
3-Hydroxyphenol	36	287
HYPOCHLORITES, INORGANIC, N.O.S.	31	321
HYPOCHLORITE SOLUTION	37	179
IGNITERS	02	012
IGNITERS	02	031
IGNITERS	02	03
IGNITERS	03	032

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
GNITERS	03	0454
GNITER FOR AIRCRAFT THRUST DEVICE	20	2792
3,3'-IMINODIPROPYLAMINE	36	2269
ndiarubber	14	128
NFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	41	2900
NFECTIOUS SUBSTANCE, AFFECTING HUMANS	41	2814
NK	15	2867
nk, printer's, flammable, n.o.s.	16	121
NSECTICIDE GAS, N.O.S.	06	196
NSECTICIDE GAS, FLAMMABLE, N.O.S.	05	335
NSECTICIDE GAS, TOXIC, N.O.S.	07	196
NSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	05	335
DDINE	37	3495
DDINE MONOCHLORIDE	40	179
ODINE PENTAFLUORIDE	28	249
-IODOBUTANE	16	239
odomethane	34	264
DDOMETHYLPROPANES	16	239
DOPROPANES	17	239
Ipha-Iodotoluene	39	265
.p.d.i.	39	229
ron chloride, anhydrous	40	177
ron (III) chloride, anhydrous	40	177
ron chloride solution	37	258
RON OXIDE, SPENT obtained from coal gas purification	25	137
RON PENTACARBONYL	23D	199
ron perchloride, anhydrous	40	177
ron powder, pyrophoric	23	138
ron sesquichloride, anhydrous	40	177
RON SPONGE, SPENT obtained from coal gas purification	25	137
ron swarf	29	279
SOBUTANE	04	196
SOBUTANOL (ISOBUTYL ALCOHOL)	17	121
sobutene	17	105
SOBUTYL ACETATE	18	121
SOBUTYL ACRYLATE, STABILIZED	19P	252
SOBUTYL ALCOHOL	17	121
SOBUTYL ALDEHYDE	18	204
SOBUTYLAMINE	18	121

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ISOBUTYLENE	04	1055
ISOBUTYL FORMATE	18	2393
ISOBUTYL ISOBUTYRATE	19	2528
ISOBUTYL ISOCYANATE	38	2486
ISOBUTYL METHACRYLATE, STABILIZED	19DP	2283
ISOBUTYL PROPIONATE	18	2394
ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)	18	2045
ISOBUTYRIC ACID	17	2529
ISOBUTYRIC ANHYDRIDE	38	2530
ISOBUTYRONITRILE	17	2284
ISOBUTYRYL CHLORIDE	38	2395
ISOCYANATES	38	2479
ISOCYANATES, FLAMMABLE, TOXIC, N.O.S.	38	2478
ISOCYANATES, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	32	2207
ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	38	2478
ISOCYANATE SOLUTION, TOXIC, N.O.S.	38	2200
ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	38	3080
ISOCYANATES, TOXIC, N.O.S.	38	2200
ISOCYANATES, TOXIC, FLAMMABLE, N.O.S.	38	3080
ISOCYANATOBENZOTRIFLUORIDES	39	228
3-Isocyanatomethyl-3,5,5-tri-methylcyclohexyl isocyanate	39	2290
Isododecane	15	228
ISOHEPTENES	14	228
ISOHEXENES	14	2288
ISO-NONANOYL PEROXIDE	33	2128
Isooctane	14	126
ISOOCTENES	14	1210
Isopentane	14	126
ISOPENTENES	14	237
Isopentylamine	18	110
lsopentyl nitrite	16	111:
ISOPHORONEDIAMINE	36	2289
ISOPHORONE DIISOCYANATE	39	229
ISOPRENE, STABILIZED	18P	121
ISOPROPANOL (ISOPROPYL ALCOHOL)	16	121
ISOPROPENYL ACETATE	18P	240
ISOPROPENYLBENZENE	15	230
ISOPROPYL ACETATE	18	122
ISOPROPYL ACID PHOSPHATE	36	1793

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ISOPROPYL ALCOHOL	16	1219
ISOPROPYLAMINE	18	122
ISOPROPYLBENZENE	19	1918
ISOPROPYL BUTYRATE	19	240
lsopropyl chloride	18	2356
ISOPROPYL CHLOROACETATE	17	294
SOPROPYL CHLOROFORMATE	38	240
ISOPROPYL 2-CHLOROPROPIONATE	19	2934
lsopropyl-alpha-chloropropionate	19	2934
lsopropyl ether	14	1159
lsopropylethylene	14	256
sopropyl formate	18	128
SOPROPYL FORMATE	14	2408
SOPROPYL ISOBUTYRATE	18	2400
SOPROPYL ISOCYANATE	38	2483
sopropyl mercaptan	16	240
SOPROPYL MERCAPTAN	16	2703
SOPROPYL NITRATE	16D	122
SOPROPYL PROPIONATE	18	2409
sopropyltoluene	19	2040
sopropyltoluol	19	2040
ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	52	290
SOSORBIDE-5-MONONITRATE	20	325
sovaleraldehyde	18	2058
IET PERFORATING GUNS, CHARGED, oil well, without detonator	02	0124
IET PERFORATING GUNS, CHARGED, oil well, without detonator	03	0494
let tappers, without detonator	02	0059
KEROSENE	15	1223
KETONES, LIQUID, N.O.S.	14	1224
KRYPTON, COMPRESSED	08	1050
KRYPTON, REFRIGERATED LIQUID	08	1970
L (Lewisite)	36	2810
LACQUER	14	1263
Lacquer base or lacquer chips, nitrocellulose, dry	20	1263
Lacquer base or lacquer chips, plastic, wet with alcohol or solvent	14	1263
Lacquer base or lacquer chips, plastic, wet with alcohol or solvent	52	2059
Lacquer base or lacquer chips, plastic, wet with alcohol or solvent	52	255
Lacquer base or lacquer chips, plastic, wet with alcohol or solvent	52	2556

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
LEAD ACETATE	34	161
Lead (II) acetate	34	1610
LEAD ALKYLS, N.O.S.	16D	1649
LEAD ARSENATES	34	161
LEAD ARSENITES	34	1618
LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	02	0129
Lead chloride, solid	34	229
LEAD COMPOUND, SOLUBLE, N.O.S.	34	229
LEAD CYANIDE	34	162
Lead (II) cyanide	34	162
LEAD DIOXIDE	31	187
LEAD NITRATE	31	146
Lead (II) nitrate	31	146
Lead (II) perchlorate	31	147
Lead (II) perchlorate	31	340
LEAD PERCHLORATE, SOLID	31	147
LEAD PERCHLORATE SOLUTION	31	340
Lead peroxide	31	187
LEAD PHOSPHITE, DIBASIC	20	298
LEAD STYPHNATE (LEAD TRINITRORESORCINATE), WETTED with not less than 20% water, or mixture of alcohol and water, by mass	02	013
LEAD SULPHATE with more than 3% free acid	37	179
LEAD TETRAETHYL or LEAD TETRAMETHYL	16D	164
Lead tetraethyl	16D	164
Lead tetramethyl	16D	164
LEAD TRINITRORESORCINATE, WETTED	02	013
LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	47	307
LIFE-SAVING APPLIANCES, SELF-INFLATING	47	299
LIGHTERS	14	122
LIGHTER REFILLS containing flammable gas	04	105
LIGHTERS containing flammable gas	04	105
LIGHTERS, FUSE	03	013
Limonene, inactive	14	205
LIQUEFIED GAS, N.O.S.	06	316
LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air	08	105
LIQUEFIED GAS, FLAMMABLE, N.O.S.	04	316
LIQUEFIED GAS, OXIDIZING, N.O.S.	10	315
LIQUEFIED GAS, TOXIC, N.O.S.	07	316

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	07	3308
LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	05	3160
LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	05	3309
LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	12	330
LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	12	3310
Liquefied petroleum gas	04	1075
LITHIUM	26	141
LITHIUM AMIDE	27	1412
LITHIUM ALKYLS, LIQUID	25	2445
ithium alkyls, liquid	26	3394
ithium alkyls, solid	26	3393
LITHIUM ALKYLS, SOLID	25	3433
ITHIUM ALUMINIUM HYDRIDE	26	141
ITHIUM ALUMINIUM HYDRIDE, ETHEREAL	26	141
ithium alloy batteries	26	309
ithium alloy batteries	26	309
ITHIUM ION BATTERIES	26	348
ITHIUM ION BATTERIES CONTAINED IN EQUIPMENT	26	348
ITHUIM ION BATTERIES PACKED WITH EQUIPMENT	26	348
ithium ion polymer batteries	26	348
ithium ion polymer batteries	26	348
ITHIUM METAL BATTERIES	26	309
ITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT	26	309
ITHIUM METAL BATTERIES PACKED WITH EQUIPMENT	26	309
ITHIUM BOROHYDRIDE	26	1413
ITHIUM FERROSILICON	27	283
LITHIUM HYDRIDE	26	141
ITHIUM HYDRIDE, FUSED SOLID	26	280
ITHIUM HYDROXIDE	37	268
ITHIUM HYDROXIDE SOLUTION	37	267
ITHIUM HYPOCHLORITE, DRY	31	147
ITHIUM HYPOCHLORITE MIXTURE	31	147
ithium in cartouches	26	141
ITHIUM NITRATE	31	272
ITHIUM NITRIDE	27	280
ITHIUM PEROXIDE	31	147
ithium silicide	26	141
LITHIUM SILICON	26	141
_,n,g,	04	1972

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
LONDON PURPLE	34	162
L.p.g.	04	107
Lye	37	182
Lythene	14	126
MAGNESIUM in pellets, turnings or ribbons	26	186
Magnesium alkyls	26	339
MAGNESIUM ALKYLS	25	3053
MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	26	186
MAGNESIUM ALLOYS POWDER	26	141
MAGNESIUM ALUMINIUM PHOSPHIDE	27	141
MAGNESIUM ARSENATE	34	162
Magnesium bisulphite solution	37	269
MAGNESIUM BROMATE	31	147
MAGNESIUM CHLORATE	31	272
Magnesium chloride and chlorate mixture	40	145
Magnesium chloride and chlorate mixture	31	340
MAGNESIUM DIAMIDE	25	200
MAGNESIUM DIPHENYL	25	200
Magnesium diphenyl	26	339
MAGNESIUM FLUOROSILICATE	34	285
MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	26	295
MAGNESIUM HYDRIDE	26	20
MAGNESIUM NITRATE	31	14
MAGNESIUM PERCHLORATE	31	14
MAGNESIUM PEROXIDE	31	14
MAGNESIUM PHOSPHIDE	27	20
MAGNESIUM POWDER	26	14
Magnesium scrap	26	186
MAGNESIUM SILICIDE	26	262
Magnesium silicofluoride	34	285
Magnetized material	47	28
MALEIC ANHYDRIDE	36	22
MALEIC ANHYDRIDE, MOLTEN	36	22
Malonic dinitrile	36	26
Malonodinitrile	36	264
MALONONITRILE	36	26
MANEB	25	221
MANEB PREPARATION with not less than 60% maneb	25	221
MANEB PREPARATION, STABILIZED against self-heating	25	296

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
MANEB, STABILIZED against self-heating	25	296
Manganese ethylene-di-dithiocarbamate	25	221
Manganese ethylene-1,2-dithiocarbamate	25	221
MANGANESE NITRATE	31	272
Manganese (II) nitrate	31	272
MANGANESE RESINATE	20	133
Manganous nitrate	37	272
MANNITOL HEXANITRATE (NITROMANNITE), WETTED with not less than 40% water, or mixture of alcohol and water, by mass	02	013
MATCHES, FUSEE	20	225
MATCHES, SAFETY (book, card or strike on box)	20	194
MATCHES, 'STRIKE ANYWHERE'	20	133
MATCHES, WAX 'VESTA'	20	194
MD	35	155
MEDICAL WASTE, N.O.S.	41	329
MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	16	324
MEDICINE, LIQUID, TOXIC, N.O.S.	34	185
MEDICINE, SOLID, TOXIC, N.O.S.	34	324
p-Mentha-1,8-diene	14	205
D-MENTHANE HYDROPEROXIDE	32	212
MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	16	333
MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	16	122
MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	16	307
MERCAPTANS, LIQUID, FLAMMABLE, N.O.S.	16	333
MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S.	16	122
MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S.	16	307
2-Mercaptoethanol	36	296
2-Mercaptopropionic acid	36	293
5-MERCAPTOTETRAZOL-1-ACETIC ACID	03	044
MERCURIC ARSENATE	34	162
MERCURIC CHLORIDE	37	162
MERCURIC NITRATE	34	162
MERCURIC POTASSIUM CYANIDE	40	162
Mercuric sulphate	34	164
Mercurol	34	163
Mercurous bisulphate	34	164
MERCUROUS NITRATE	34	162
MERCUROUS SULPHATE	34	1628
Mercurous sulphate	34	164

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
MERCURY	30	2809
MERCURY ACETATE	34	1629
MERCURY AMMONIUM CHLORIDE	34	1630
MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	2778
MERCURY BASED PESTICIDE, LIQUID, TOXIC	34	3012
MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	3011
MERCURY BASED PESTICIDE, SOLID, TOXIC	34	2777
MERCURY BENZOATE	37	1631
Mercury bichloride	37	1624
MERCURY BISULPHATE	36	1633*
MERCURY BROMIDES	37	1634
MERCURY COMPOUND, LIQUID, N.O.S.	34	2024
MERCURY COMPOUND, SOLID, N.O.S.	34	2025
MERCURY CYANIDE	37	1636
MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	02	0135
MERCURY GLUCONATE	34	1637
MERCURY IODIDE	34	1638
MERCURY NUCLEATE	34	1639
MERCURY OLEATE	34	1640
MERCURY OXIDE	34	1641
MERCURY OXYCYANIDE, DESENSITIZED	34	1642
MERCURY POTASSIUM IODIDE	34	1643
MERCURY SALICYLATE	34	1644
MERCURY SULPHATE	34	1645
MERCURY THIOCYANATE	34	1646
Mesitylene	17	2325
MESITYL OXIDE	19	1229
METAL ALKYL HALIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HALIDES, WATER-REACTIVE, N.O.S.	26	3049*
METAL ALKYL HYDRIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HYDRIDES, WATER-REACTIVE, N.O.S.	26	3050*
METAL ALKYLS, WATER-REACTIVE, N.O.S. or METAL ARYLS, WATER-REACTIVE, N.O.S.	25	2003*
METAL CARBONYLS, LIQUID, N.O.S.	36	3281
METAL CARBONYLS SOLID, N.O.S.	35	3466
METAL CATALYST, DRY	29D	2881
METAL CATALYST, WETTED with a visible excess of liquid	29D	1378

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
METALDEHYDE	20	133
METAL HYDRIDES, FLAMMABLE, N.O.S.	29	318
METAL HYDRIDES, WATER-REACTIVE, N.O.S.	26	1409
METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	26	3208
METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	26	3209
METAL POWDER, FLAMMABLE, N.O.S.	29	3089
METAL POWDER, SELF-HEATING, N.O.S.	23	318
METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	20	318
METHACRYLALDEHYDE, STABILIZED	19P	239
METHACRYLIC ACID, STABILIZED	36P	253
METHACRYLONITRILE, STABILIZED	16P	307
METHALLYL ALCOHOL	17	261
Methanal	19	119
Methanal	19	220
Methane and hydrogen mixture	04	203
METHANE, COMPRESSED	04	197
METHANE, REFRIGERATED LIQUID	04	197
METHANESULPHONYL CHLORIDE	39	324
METHANOL	16	123
2-Methoxyethyl acetate	19	118
METHOXYMETHYL ISOCYANATE	38	260
I-METHOXY-4-METHYLPENTAN-2-ONE	15	229
1-Methoxy-2-nitrobenzene	35	273
I-Methoxy-2-nitrobenzene	35	345
I-Methoxy-3-nitrobenzene	35	273
I-Methoxy-3-nitrobenzene	35	345
I-Methoxy-4-nitrobenzene	35	273
I-Methoxy-4-nitrobenzene	35	345
I-METHOXY-2-PROPANOL	16	309
METHYL ACETATE	18	123
METHYL ACETONE	14	1232
METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	04P	106
Beta-Methyl acrolein	18P	114
METHYL ACRYLATE, STABILIZED	18P	191
METHYLAL	14	123
Methyl alcohol	16	123
Methyl allyl alcohol	17	261
METHYLALLYL CHLORIDE	16P	255
METHYL ALUMINIUM SESQUIBROMIDE	25	1926

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
METHYL ALUMINIUM SESQUICHLORIDE	25	1927
METHYLAMINE, ANHYDROUS	05	1061
METHYLAMINE, AQUEOUS SOLUTION	18	1235
METHYLAMYL ACETATE	19	1233
Methyl amyl alcohol	17	2053
Methyl amyl ketone	15	1110
N-METHYLANILINE	36	2294
Methylated spirit	16	1986
Methylated spirit	14	1987
METHYL BENZOATE	36	2938
alpha-METHYLBENZYL ALCOHOL, LIQUID	36	2937
alpha-METHYLBENZYL ALCOHOL, SOLID	36	3438
Methyl bromide and chloropicrin mixture,	05	1582
METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	34	1647
METHYL BROMIDE with not more than 2% chloropicrin	07	1062
Methyl bromide and chloropicrin mixture	07	158
METHYL BROMOACETATE	39	2643
2-METHYLBUTANAL	15	337
3-METHYLBUTAN-2-ONE	14	239
2-METHYL-1-BUTENE	14	2459
2-METHYL-2-BUTENE	14	2460
3-METHYL-1-BUTENE	14	256
N-METHYLBUTYLAMINE	18	294
METHYL tert-BUTYL ETHER	14	2398
METHYL BUTYRATE	18	123
METHYL CHLORIDE (REFRIGERANT GAS R 40)	05	1063
Methyl chloride and chloropicrin mixture	05	158
METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	05	191
METHYL CHLOROACETATE	38	229
Methyl chlorocarbonate	38	1238
Methyl chloroform	34	283
METHYL CHLOROFORMATE	38	1238
METHYL CHLOROMETHYL ETHER	18	1239
METHYL 2-CHLOROPROPIONATE	19	2933
Methyl alpha-chloropropionate	19	2933
METHYLCHLOROSILANE	05	2534
Methyl cyanide	17	1648
METHYLCYCLOHEXANE	14	229
METHYLCYCLOHEXANOLS, flammable	17	2617

METHYLCYCLOHEXANONE	15	
		2297
METHYLCYCLOHEXANONE PEROXIDES	33	3046*
METHYLCYCLOPENTANE	14	2298
METHYL DICHLOROACETATE	38	2299
Methyldichloroarsine	35	1556
METHYLDICHLOROSILANE	25	1242
Methylene bromide	37	2664
Methylene chloride	37	1593
Methylene chloride and methyl chloride mixture	05	1912
Methylene cyanide	36	2647
p,p'-Methylene dianiline	36	2651
Methylene dibromide	37	2664
2,2'-Methylene-di-(3,4,6-trichlorophenol)	34	2875
Methyl ethyl ether	04	1039
METHYL ETHYL KETONE	14	1193
METHYL ETHYL KETONE PEROXIDE	32	2127*
METHYL ETHYL KETONE PEROXIDES	32	2550*
METHYL ETHYL KETONE PEROXIDES	32	3068*
METHYL ETHYL KETONE PEROXIDE(S)	32	2563*
2-METHYL-5-ETHYLPYRIDINE	36	2300
METHYL FLUORIDE (REFRIGERANT GAS R 41)	04	2454
METHYL FORMATE	18	1243
2-METHYLFURAN	14	2301
Methyl glycol	15	1188
Methyl glycol acetate	19	1189
2-METHYL-2-HEPTANETHIOL	17	3023
5-METHYLHEXAN-2-ONE	15	2302
METHYLHYDRAZINE	25D	1244
METHYL IODIDE	34	2644
METHYL ISOBUTYL CARBINOL	17	2053
METHYL ISOBUTYL KETONE	14	1245
METHYL ISOBUTYL KETONE PEROXIDE	32	2126*
METHYL ISOCYANATE	38	2480
METHYL ISOPROPENYL KETONE, STABILIZED	14P	1246
METHYL ISOTHIOCYANATE	17	2477
METHYL ISOVALERATE	18	2400
METHYL MAGNESIUM BROMIDE IN ETHYL ETHER	25	1928
METHYL MERCAPTAN	05	1064
Methyl mercaptopropionaldehyde	19	2785

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
METHYL METHACRYLATE MONOMER, STABILIZED	18P	1247
4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)	19	2535
N-METHYLMORPHOLINE	19	2535
METHYL NITRITE	05	2455
METHYL ORTHOSILICATE	38	2606
METHYLPENTADIENE	14	2461
Methylpentanes	14	1208
METHYLPENTANES	14	2462*
2-METHYLPENTAN-2-OL	17	2560
4-Methylpentan-2-ol	17	2053
3-Methyl-2-penten-4ynol	19P	2705
METHYLPHENYLDICHLOROSILANE	25	2437
2-Methyl-2-phenylpropane	19	2046
1-METHYLPIPERIDINE	18	2399
METHYL PROPIONATE	18	1248
Methylpropylbenzene	19	2046
METHYL PROPYL ETHER	14	2612
METHYL PROPYL KETONE	14	1249
Methyl pyridines	18	2313
Methylstyrene, inhibited	17P	2618
alpha-Methylstyrene	15	2303
Methyl sulphate	39	1595
Methyl sulphide	18	1164
METHYLTETRAHYDROFURAN	14	2536
METHYL TRICHLOROACETATE	38	2533
METHYLTRICHLOROSILANE	25	1250
alpha-METHYL-VALERALDEHYDE	18	2367
Methyl vinyl ketone, inhibited	17P	2618
METHYL VINYL KETONE, STABILIZED	18P	1251
M.i.b.c.	17	1300
MINERAL (TURPENTINE SUBSTITUTE)	14	1300
MINES with bursting charge	02	0136
MINES with bursting charge	02	0137
MINES with bursting charge	02	0138
MINES with bursting charge	02	0294
Mirbane oil	35	1662
Missiles, guided	02	0181
Missiles, guided	02	0180
Missiles, guided	02	0397

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Missiles, guided	02	0436
Missiles, guided	02	0182
Missiles, guided	02	0295
Missiles, guided	02	0398
Missiles, guided	02	0183
Missiles, guided	02	043
Missiles, guided	03	0438
MOLYBDENUM PENTACHLORIDE	39	2508
Monochloroacetic acid	36	1750
Nonochloroacetic acid	36	175
Nonochlorobenzene	18	1134
Nonochlorodifluoromethane	06	101
Nonochlorodifluoromethane and monochloropentafluoroethane mixture	06	1973
Monochlorodifluoromono-bromomethane	06	197
Monochloropentafluoroethane and monochlorodifluoromethane mixture	06	107
Monoethylamine	05	103
MONONITROTOLUIDINES	36	266
Nonopropylamine	18	127
NORPHOLINE	19	205
MOTOR FUEL ANTI-KNOCK MIXTURE	16D	164
MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE	16D	3483
MOTOR SPIRIT	14	120
MOTOR SPIRIT AND ETHANOL MIXTURE	14	347
Muriatic acid	37	178
MUSK XYLENE	52	295
Nustard	36	281
Nustard lewisite	36	281
<i>A</i> ysorite	47	221
ІАРНТНА	14	1255
иарнтна	14	1256
Naphtha	14	126
иарнтна	14	2553
NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	20	133
JAPHTHALENE, MOLTEN	20	230
Vaphtha, petroleum	14	126
IAPHTHALENE, REFINED	20	133
Naphtha, solvent	14	126
alpha-NAPHTHYLAMINE	36	207
peta-NAPHTHYLAMINE, SOLID	36	1650

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
beta-NAPHTYLAMINE SOLUTION	36	3411
NAPHTHYLTHIOUREA	36	1651
1-Naphthylthiurea	36	1651
NAPHTHYLUREA	36	1652
NATURAL GAS, COMPRESSED with high methane content	04	1971
Natural gasoline	14	1203
NATURAL GASOLINE	14	1257
NATURAL GAS, REFRIGERATED LIQUID with high methane content	04	1971
Neohexane	14	1208
NEON, COMPRESSED	08	1065
NEON, REFRIGERATED LIQUID	08	1913
Neothyl	14	2612
NICKEL CARBONYL	16D	1259
NICKEL CYANIDE	34	1653
Nickel (II) cyanide	24	1653
NICKEL NITRATE	31	272
Nickel (II) nitrate	31	272
NICKEL NITRITE	31	2726
Nickel (II) nitrite	31	2720
Nickelous nitrate	31	272
Nickelous nitrite	31	2726
Nickel tetracarbonyl	16D	1259
NICOTINE	34	1654
NICOTINE COMPOUND, LIQUID, N.O.S.	34	3144
NICOTINE COMPOUND, SOLID, N.O.S.	34	165
NICOTINE HYDROCHLORIDE, LIQUID	34	1656
NICOTINE HYDROCHLORIDE, SOLID	34	3444
NICOTINE HYDROCHLORIDE SOLUTION	34	1650
NICOTINE PREPARATION, LIQUID, N.O.S.	34	3144
NICOTINE PREPARATION, SOLID, N.O.S.	34	165
NICOTINE SALICYLATE	34	165
NICOTINE SULPHATE, SOLID	34	344
NICOTINE SULPHATE SOLUTION	34	1658
NICOTINE TARTRATE	34	1659
NITRATES, INORGANIC, N.O.S.	31	147
NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	321
NITRATING ACID MIXTURE, with more than 50% nitric acid	40	179
NITRATING ACID MIXTURE, with less than 50% nitric acid	40	179
NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	40	1826

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
NITRIC ACID, other than red fuming	40	2031
NITRIC ACID, RED FUMING	40	2032
NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE	12	1975
NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE	12	1975
NITRIC OXIDE, COMPRESSED	12	1660
NITRILES, FLAMMABLE, TOXIC, N.O.S.	16	3273
NITRILES, TOXIC, FLAMMABLE, N.O.S.	16	3275
NITRILES, TOXIC, LIQUID, N.O.S.	35	3276
NITRILES, TOXIC, SOLID, N.O.S.	35	3439
NITRITES, INORGANIC, N.O.S.	31	262
NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	3219
NITROANILINES (o-, m-, p-)	36	166
NITROANISOLES, LIQUID	35	2730
NITROANISOLES, SOLID	35	3458
NITROBENZENE	35	1662
Nitrobenzene bromide	35	2732
NITROBENZENESULPHONIC ACID	36D	230
Vitrobenzol	35	166
5-NITROBENZOTRIAZOL	02	0385
NITROBENZOTRIFLUORIDES	35	2306
NITROBENZOTRIFLUOIDES, SOLID	35	343
NITROBROMOBENZENE, LIQUID	35	2732
NITROBROMOBENZENES, SOLID	35	3459
NITROCELLULOSE, dry or wetted with less than 25% water (or alcohol), by mass	02	0340
NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance, by mass	02	034
NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass	52	3270
NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass	02	0343
NITROCELLULOSE SOLUTION, FLAMMABLE	15D	2060
NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	52	2059
NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	02	0342
NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	52	2556
NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass,		
MIXTURE WITH PLASTICIZER, WITH PIGMENT	52	255
NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass,		
MIXTURE WITH PLASTICIZER, WITHOUT PIGMENT	52	255

MIXTURE WITHOUT PLASTICIZER, WITH PIGMENT 52 25: WITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass, MIXTURE WITHOUT PLASTICIZER, WITHOUT PIGMENT 52 25: WITROCELLULOSE WITH WATER (not less than 25% water, by mass) 52 25: NITROCALCUOSE WITH WATER (not less than 25% water, by mass) 52 25: NITROCALCOROBENZOTRIFLUORIDE 35 23: WITROCRESOLS, LIQUID 36 24: VITROCRESOLS, SOLID 36 24: VITROCRESOLS, SOLID 36 10: VITROGEN, COMPRESSED 08 10: VITROGEN, REFRIGERATED LIQUID 08 19 VITROGEN TRIFLUORIDE 12 24: VITROGEN TRIFLUORIDE 12 24: VITROGEN REFRIGERATED LIQUID 08 19 VITROGEVCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not 33: more than 30% nitroglycerin, by mass 52 33: VITROGEVCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. 34: with not more than 30% but not more than 1% hut not 35: 33: VITROGEVCERIN MIXTURE, DESENSITIZED, SOLL	PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
WIXTURE WITHOUT PLASTICIZER, WITHOUT PIGMENT 52 25: WITROCELLULOSE WITH WATER (not less than 25% water, by mass) 52 25: WITROCHOROBENZOTRIFLUORIDE 35 23: WITROCRESOLS, LIQUID 36 34: WITROCRESOLS, LIQUID 36 34: WITROCRESOLS, SOLID 36 24: WITROETHANE 17D 28: WITROGEN DIOXIDE 12 10: WITROGEN REFRIGERATED LIQUID 08 100: WITROGEN REFRIGERATED LIQUID 08 10: WITROGEN REFRIGERATED LIQUID 12 24: WITROGEN REFRIGERATED LIQUID 08 19: WITROGEN REFRIGERATED LIQUID, LIQUID, N.O.S. with not 12 24: WITROGLYCERIN MIXTURE, DESENSITIZED, With not less than 40% non-volatile 22: 01: WITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not 52: 33: WITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more 52: 33: WITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not 52: 33: WITROGLYCERIN, SOLUTION IN ALCOHOL with not more than 1% nitroglycerin 52: 12: WITROGLYCE	NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass, MIXTURE WITHOUT PLASTICIZER, WITH PIGMENT	52	2557
NITROCELLULOSE WITH WATER (not less than 25% water, by mass)5225VITROCHLOROBENZOTRIFLUORIDE3523VITROCRESOLS, LIQUID3634VITROCRESOLS, SOLID3624VITROCRESOLS, SOLID3624VITROCRESOLS, SOLID3624VITROGEN COMPRESSED8800VITROGEN DIOXIDE1210VITROGEN TRIFLUORIDE1224VITROGEN TRIFLUORIDE1224VITROGEN TRIFLUORIDE1224VITROGEN TRIFLUORIDE1224VITROGEN TRIOXIDE1224VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not 	NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass,		
Nitrochlorobenzenes35D15.3-NITRO-4-CHLOROBENZOTRIFLUORIDE3523VITROCRESOLS, LIQUID36344VITROCRESOLS, SOLID36244VITROGEN, COMPRESSED08100VITROGEN, COMPRESSED08101VITROGEN, REFRIGERATED LIQUID0819VITROGEN TRIFLUORIDE1224VITROGEN TRIFLUORIDE1224VITROGEN TRIFLUORIDE1224VITROGUCTERIN MIXTURE, DESENSITIZED, VIQUID, N.O.S. with not more than 30% nitroglycerin, by mass02VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass52VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with not more than 30% nitroglycerin, by mass52VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 1% nitroglycerin02VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52VITROGLYCERIN SOLUTION IN ALCOHOL with nore than 1% but not more than 5% nitroglycerin52VITROGLYCERIN SOLUTION IN ALCOHOL with nore than 1% nitroglycerin52VITROGLYCERIN SOLUTION IN ALCOHOL with nore than 1% nitroglycerin52VITROGLANDINE (PICRITE), dry or wetted with less than 20% water, by mass52VITROGLANDINE (PICRITE), WETTED with not less than 20% water, by mass52VITROHENDENCH (ACID4073VITROMANNITE, WETTED20201VITROMANNITE, WETTED20201VITROHENDLS (o-, m-, p-)36166I-INITROPHONLS (o-, m-, p-	MIXTURE WITHOUT PLASTICIZER, WITHOUT PIGMENT	52	2557
S-NITRO-4-CHLOROBENZOTRIFLUORIDE3523NITRO-4-CHLOROBENZOTRIFLUORIDE36344NITROCRESOLS, LIOUID36244NITROCRESOLS, SOLID36244NITROETHANE17D28NITROGEN, COMPRESSED08100NITROGEN, REFRIGERATED LIQUID0819NITROGEN TRIFLUORIDE1224NITROGEN TRIOXIDE1224NITROGEN TRIOXIDE1224NITROGUYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02NITROGUYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass52NITROGUYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass52NITROGUYCERIN MIXTURE, DESENSITIZED, SOLD, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass52NITROGUYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52NITROGUYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52NITROGUYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52NITROGUYCERIN SOLUTION IN ALCOHOL with not res than 20% water, by mass52NITROGUYCERIN SOLUTION IN ALCOHOL with not less than 20% water, by mass52NITROGUANIDINE (PICRITE), WETTED0201NITROGUANIDINE (PICRITE), wertted with less than 20% water, by mass52NITROMETHANE17012NITROMETHANE17012NITROMETHANE170	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	52	2555
NITROCRESOLS, LIQUID36344NITROCRESOLS, SOLID36244NITROTORESOLS, SOLID36244NITROGEN, COMPRESSED08100NITROGEN, COMPRESSED08100NITROGEN, REFRIGERATED LIQUID0819NITROGEN TRIFLUORIDE12244NITROGEN TRIOXIDE12244NITROGEN TRIOXIDE12244NITROGUYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02NITROGUYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass52NITROGUYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass52NITROGUYCERIN MIXTURE, DESENSITIZED, SOLD, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass52NITROGUYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin0201-NITROGUYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin5230NITROGUYCERIN SOLUTION IN ALCOHOL with more than 1% nitroglycerin5210NITROGUYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin5230NITROGUYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin5230NITROGUYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin5230NITROGUYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin5230NITROGUYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin5230 <tr<< td=""><td>Nitrochlorobenzenes</td><td>35D</td><td>1578</td></tr<<>	Nitrochlorobenzenes	35D	1578
NITROCRESOLS, SOLID36244NITROETHANE17D28NITROGEN, COMPRESSED08100NITROGEN, COMPRESSED08100NITROGEN, REFRIGERATED LIQUID0819NITROGEN, REFRIGERATED LIQUID0819NITROGEN TRICUORIDE1224NITROGEN TRICUORIDE1224NITROGUYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin02014NITROGLYCERIN SOLUTION IN ALCOHOL with not ret an 1% but not more than 5% nitroglycerin52300NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52300NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass22014NITROMANNITE, WETTED02014NITROMANNITE, WETTED02015NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233 <t< td=""><td>3-NITRO-4-CHLOROBENZOTRIFLUORIDE</td><td>35</td><td>2307</td></t<>	3-NITRO-4-CHLOROBENZOTRIFLUORIDE	35	2307
NITROETHANE17D28.NITROGEN, COMPRESSED08100NITROGEN, COMPRESSED08100NITROGEN, REFRIGERATED LIQUID0819NITROGEN, REFRIGERATED LIQUID0819NITROGEN TRIFLUORIDE1224NITROGEN TRIOXIDE1224NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52300NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass02022NITROGUANIDINE (PICRITE), wETTED with not less than 20% water, by mass2202NITROMANNITE, WETTED0201NITROMANNITE, WETTED0201NITROMANNITE, WETTED0201NITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLH	NITROCRESOLS, LIQUID	36	3434
NITROGEN, COMPRESSED08100NITROGEN, COMPRESSED0819NITROGEN, REFRIGERATED LIQUID0819NITROGEN TRIFLUORIDE1224NITROGEN TRIFLUORIDE1224NITROGENT, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014NITROGLYCERIN, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52300NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52300NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52300NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52300NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass52313NITROMANNITE, WETTED02014NITROMANNITE, WETTED02015NITROMANNITE, WETTED02014NITROPHENOLS (o-, m-, p-)36160I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLHYDRAZINE, with not less than 30% water, by ma	NITROCRESOLS, SOLID	36	2446
NITROGEN DIOXIDE1210NITROGEN, REFRIGERATED LIQUID0819NITROGEN TRIFLUORIDE1224NITROGEN TRIOXIDE1224NITROGUYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52313NITROMANNITE, WETTED02014NITROMANNITE, WETTED02015NITROMANNITE, WETTED02015NITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233NITROPHENVLHYDRAZINE, with n	NITROETHANE	17D	2842
NITROGEN, REFRIGERATED LIQUID0819VITROGEN TRIFLUORIDE1224VITROGEN TRIOXIDE1224VITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014VITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not less than 20% water, by mass52133VITROGLANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133VITROMANNITE, WETTED02014VITROMANNITE, WETTED20255VITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233VITROPROPANES17D266-NITROSODIMETHYLANILINE23136VITRO	NITROGEN, COMPRESSED	08	1066
NITROGEN TRIFLUORIDE1224VITROGEN TRIFLUORIDE1224VITROGEN TRIOXIDE1224VITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin02014VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52300VITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass52313VITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52314VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233VITROPROPANES17D266-NITROSODIMETHYLANILINE23136VITROSTARCH, dry or wetted with less than 20% water, by mass5233VITROPROPANES17D266-NITROSTARCH, dry or wetted with less than 20% water, by mass5233	NITROGEN DIOXIDE	12	1067
NITROGENTRIONIDE12VITROGENTRIOXIDE12VITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass52VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass52VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass52VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin02VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52VITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass52VITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52VITROMANNITE, WETTED0201VITROMANNITE, WETTED0201VITROMANNITE, WETTED0201VITROMAPHTHALENE2025VITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass5233VITROPROPANES17D266O-NITROSODIMETHYLANILINE2313VITROSTARCH, dry or wetted with less than 20% water, by mass5233VITROSTARCH, dry or wetted with less than 20% water, by mass5233	NITROGEN, REFRIGERATED LIQUID	08	1977
NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass02014VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass52334VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass52334VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014VITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306VITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass02014VITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROMAPHTHALENE20253VITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass52333VITROPROPANES17D266-NITROSODIMETHYLANILINE23136VITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGEN TRIFLUORIDE	12	2451
water-insoluble phlegmatizer, by mass02014VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass5233VITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass52334VITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass52333VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014VITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52300VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52300VITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52300VITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass52133VITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROMANNITE, WETTED02013VITROPHENOLS (o-, m-, p-)36166I-NITROPHENVLHYDRAZINE, with not less than 30% water, by mass52333VITROPROPANES17D266O-NITROSODIMETHYLANILINE23136VITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGEN TRIOXIDE	12	2421
more than 30% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass5233NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass52133NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52136NITROMANNITE, WETTED02017NITROMANNITE, WETTED02017NITROMAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36166NITROPHENVLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D260D-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	02	0143
with not more than 30% but not more than 20% nitroglycerin, by mass52334WITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass5233WITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014WITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306WITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not 	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	52	3357
than 2% but not more than 10% nitroglycerin, by mass5233NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin02014NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52126VITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass02026VITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133VITROHYDROCHLORIC ACID40179VITROMETHANE17D126VITRONAPHTHALENE20253VITROPHENVLHYDRAZINE, with not less than 30% water, by mass52333VITROPROPANES17D266D-NITROSODIMETHYLANILINE23136VITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% but not more than 20% nitroglycerin, by mass	52	3343
more than 10% nitroglycerin02014VITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin52306VITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52126VITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass02028VITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133VITROHYDROCHLORIC ACID40175VITROMANNITE, WETTED02013VITROMETHANE17D126VITRONAPHTHALENE20253VITROPHENVLHYDRAZINE, with not less than 30% water, by mass52333VITROPROPANES17D266D-NITROSODIMETHYLANILINE23136VITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	52	3319
more than 5% nitroglycerin52300NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin52120NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass02021NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133NITROHYDROCHLORIC ACID40175NITROMANNITE, WETTED02013NITROMETHANE17D120NITRONAPHTHALENE20253NITROPHENVLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D266D-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	02	0144
NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass02024NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133NITROHYDROCHLORIC ACID40179NITROMANNITE, WETTED02013NITROMETHANE17D124NITRONAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36166I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D260D-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	52	3064
NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass52133NITROHYDROCHLORIC ACID40175NITROMANNITE, WETTED02013NITROMETHANE17D124Nitromuriatic acid40175NITRONAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36166I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D266o-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	52	1204
NITROHYDROCHLORIC ACID40179NITROMANNITE, WETTED02013NITROMETHANE17D120NITROMETHANE17D120NITRONAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36166I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D266D-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass	02	0282
NITROMANNITE, WETTED02013NITROMETHANE17D120Vitromuriatic acid40175NITRONAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36166I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D266D-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass	52	1336
NITROMETHANE17D120Nitromuriatic acid40179NITRONAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36160I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D260o-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROHYDROCHLORIC ACID	40	1798
Vitromuriatic acid40179VITRONAPHTHALENE20253VITROPHENOLS (o-, m-, p-)36166I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333VITROPROPANES17D266o-NITROSODIMETHYLANILINE23136VITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROMANNITE, WETTED	02	0133
NITRONAPHTHALENE20253NITROPHENOLS (o-, m-, p-)36166I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass52333NITROPROPANES17D266o-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROMETHANE	17D	1261
VITROPHENOLS (o-, m-, p-) 36 160 I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass 52 333 VITROPROPANES 17D 260 p-NITROSODIMETHYLANILINE 23 136 VITROSTARCH, dry or wetted with less than 20% water, by mass 02 014	Nitromuriatic acid	40	1798
I-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass 52 333 NITROPROPANES 17D 260 D-NITROSODIMETHYLANILINE 23 136 NITROSTARCH, dry or wetted with less than 20% water, by mass 02 014	NITRONAPHTHALENE	20	2538
NITROPROPANES17D260p-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	NITROPHENOLS (o-, m-, p-)	36	1663
D-NITROSODIMETHYLANILINE23136NITROSTARCH, dry or wetted with less than 20% water, by mass02014	4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	52	3376
D-NITROSODIMETHYLANILINE 23 136 NITROSTARCH, dry or wetted with less than 20% water, by mass 02 014	NITROPROPANES	17D	2608
	p-NITROSODIMETHYLANILINE	23	1369
	NITROSTARCH, dry or wetted with less than 20% water, by mass		0146
	NITROSTARCH, WETTED with not less than 20% water, by mass	52	1337

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
NITROSYL CHLORIDE	07	1069
NITROSYLSULPHURIC ACID, LIQUID	40	2308
NITROSYLSULPHURIC ACID, SOLID	40	3456
NITROTOLUENES, LIQUID	35	1664
NITROTOLUENES, SOLID	35D	3446
NITROTOLUIDINES	36	2660
NITROTRIAZOLONE	02	0490
IITRO UREA	02	0147
IITROUS OXIDE	10	1070
IITROUS OXIDE, REFRIGERATED LIQUID	10	220
IITROXYLENES, LIQUID	35	1665
IITROXYLENES, SOLID	35	344
lon-activated carbon	20	136
lon-activated charcoal	20	136
IONANES	15	1920
IONYLTRICHLOROSILANE	39	1799
,5-NORBORNADIENE, STABILIZED	14P	225
ormal propyl alcohol	16	1274
ТО	02	0490
CTADECYLTRICHLOROSILANE	39	1800
CTADIENE	14P	2309
CTAFLUOROBUT-2-ENE (REFRIGERANT GAS R 1318)	06	2422
CTAFLUOROCYCLOBUTANE (REFRIGERANT GAS RC 318)	06	1976
CTAFLUOROPROPANE (REFRIGERANT GAS R 218)	06	2424
CTANES	14	1262
CTOGEN	02	0226
CTOGEN	02	039
CTOGEN	02	0484
OCTOL, dry or wetted with less than 15% water, by mass	02	0266
CTOLITE, dry or wetted with less than 15% water, by mass	02	0266
OCTONAL	02	0496
ICTYL ALDEHYDES	19	119
ert-Octyl mercaptan	17	3023
CTYLTRICHLOROSILANE	39	180
Denanthol	19	3056
DIL GAS, COMPRESSED	05	107
Deum	40	1831
IRGANIC PEROXIDES	32	2899
IRGANIC PEROXIDES, MIXTURES	32	2756

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ORGANIC PEROXIDES, SAMPLES, N.O.S.	32	2255*
ORGANIC PEROXIDE TYPE B, LIQUID	32	3101
ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	33	3111
ORGANIC PEROXIDE TYPE B, SOLID	32	3102
ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	33	3112
ORGANIC PEROXIDE TYPE C, LIQUID	32	3103
ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	33	3113
ORGANIC PEROXIDE TYPE C, SOLID	32	3104
ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	33	3114
ORGANIC PEROXIDE TYPE D, LIQUID	32	3105
ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	33	3115
ORGANIC PEROXIDE TYPE D, SOLID	32	3106
ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	33	3116
ORGANIC PEROXIDE TYPE E, LIQUID	32	3107
ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	33	3117
ORGANIC PEROXIDE TYPE E, SOLID	32	3108
ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	33	3118
ORGANIC PEROXIDE TYPE F, LIQUID	32	3109
ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	33	3119
ORGANIC PEROXIDE TYPE F, SOLID	32	3110
ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	33	3120
ORGANIC PIGMENTS, SELF-HEATING	23	3313
ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	36	3280
ORGANOARSENIC COMPOUND, SOLID, N.O.S.	35	3465
ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°	'C 18	2762
ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	34	2996
ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	19	2995
ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	34	2761
ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND		
DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	26	3207*
ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.	27	3372*
ORGANOMETALLIC COMPOUND, TOXIC, LIQUID, N.O.S.	34	3282
ORGANOMETALLIC COMPOUND, TOXIC, SOLID, N.O.S.	35	3467
ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	23	3392
ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER REACTIVE	26	3394
ORGANOMETALLIC SUBSTANCE, LIQUID, WATER REACTIVE	27	3398
ORGANOMETALLIC SUBSTANCE, LIQUID, WATER REACTIVE, FLAMMABLE	26	3399
ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	23	3391

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER REACTIVE	26	339
ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	25	340
DRGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE	27	339
DRGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, FLAMMABLE	27	339
DRGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, SELF-HEATING	27	339
DRGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	38	327
DRGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID, N.O.S.	35	327
DRGANOPHOSPHORUS COMPOUND, TOXIC, SOLID, N.O.S.	35	346
DRGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	278
DRGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	35	301
DRGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE,		
flashpoint not less than 23°C	17	301
DRGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	35	278
DRGANOTIN COMPOUND, LIQUID, N.O.S.	36	278
DRGANOTIN COMPOUND, SOLID, N.O.S.	36	314
ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	278
ORGANOTIN PESTICIDE, LIQUID, TOXIC	36	302
ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	301
DRGANOTIN PESTICIDE, SOLID, TOXIC	36	278
Orthophosphoric acid	37	180
Orthophosphoric acid	37	345
DSMIUM TETROXIDE	37	247
DXALATES, WATER-SOLUBLE	37	244
DXIDIZING LIQUID, N.O.S.	31	313
DXIDIZING LIQUID, CORROSIVE, N.O.S.	31	309
DXIDIZING LIQUID, TOXIC, N.O.S.	31	309
DXIDIZING SOLID, N.O.S.	31	147
DXIDIZING SOLID, CORROSIVE, N.O.S.	31	308
DXIDIZING SOLID, FLAMMABLE, N.O.S.	31	313
DXIDIZING SOLID, SELF-HEATING, N.O.S.	31	310
DXIDIZING SOLID, TOXIC, N.O.S.	31	308
DXIDIZING SOLID, WATER-REACTIVE, N.O.S.	28	312
Dxirane	05D	104
Dxygen and carbon dioxide mixture	10	101
DXYGEN, COMPRESSED	11	107
DXYGEN DIFLUORIDE, COMPRESSED	12	219
OXYGEN GENERATOR, CHEMICAL	31	335
Oxygen, mixture with rare gases	10	198

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
OXYGEN, REFRIGERATED LIQUID	11	1073
1-Oxy-4-nitrobenzene	36	1663
PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	14	1263
PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	36	3066
PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	36	3470
PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	18	3469
PAINT RELATED MATERIAL (including paint thinning and reducing compound)	14	1263
PAINT RELATED MATERIAL (including paint thinning and reducing compound)	36	3066
PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning or reducing compound)	36	3470
PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning or reducing compound)	18	3469
PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	23	1379
Paraffin	15	122
PARAFORMALDEHYDE	20	221
PARALDEHYDE	19	126
Parathion	35	278
PCBs	48	231
PCBs	48	343
PD	35	155
PENTABORANE	25	138
PENTACHLOROETHANE	34	166
PENTACHLOROPHENOL	37	315
PENTAERYTHRITE TETRANITRATE with not less than 7% wax, by mass	02	041
PENTAERYTHRITE TETRANITRATE, DESENSITIZED, with not less than 15% phlegmatizer, by mass	02	015
PENTAERYTHRITE TETRANITRATE MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	52	334
PENTAERYTHRITE TETRANITRATE, WETTED with not less than 25% water, by mass	02	015
PENTAERYTHRITOL TETRANITRATE	02	015
PENTAERYTHRITOL TETRANITRATE	02	041
PENTAERYTHRITOL TETRANITRATE MIXTURE, DESENSITIZED	52	334
PENTAFLUOROETHANE (REFRIGERANT GAS R 125)	06	322
Pentafluoroethane, 1,1,1-trifluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 44% pentafluoroethane and 52%		
1,1,1-trifluoroethan	06	333
PENTAMETHYLHEPTANE	15	228

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Pentanal	18	2058
n-Pentane	14	1265
PENTANE-2,4-DIONE	15	2310
PENTANES, liquid	14	1265
3-Pentanol	16	1105
PENTANOLS	16	1105
-PENTENE (n-AMYLENE)	14	1108
-PENTOL	19P	2705
PENTOLITE, dry or wetted with less than 15% water, by mass	02	0151
Pentyl nitrite	16	1113
PERCARBONATES, INORGANIC, N.O.S.	29	3217
PERCHLORATES, INORGANIC, N.O.S.	31	1481
PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	3211
PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	31	1873
PERCHLORIC ACID with not more than 50% acid, by mass	31	1802
Perchlorobenzene	35	2729
erchlorocyclopentadiene	34	2646
erchloroethylene	37	189
ERCHLOROMETHYL MERCAPTAN	40	1670
PERCHLORYL FLUORIDE	12	3083
Perfluoroacetylchloride	07	305
PERFLUORO (ETHYL VINYL ETHER)	04	3154
PERFLUORO (METHYL VINYL ETHER)	04	3153
Perfluoropropane	06	2424
ERFUMERY PRODUCTS with flammable solvents	14	1266
PERMANGANATES, INORGANIC, N.O.S.	31	1482
PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	3214
PEROXIDES, INORGANIC, N.O.S.	31	1483
PEROXYACETIC ACID	32	2131
PEROXYACETIC ACID	32	3045
PERSULPHATES, INORGANIC, N.O.S.	31	3215
PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	31	3216
ESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flashpoint less than 23°C	16	302
PESTICIDE, LIQUID, TOXIC, N.O.S.	34	2902
PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flashpoint not less than 23°C	17	2903
PESTICIDE, SOLID, TOXIC, N.O.S.	34	2588
Pesticide, toxic, under compressed gas, n.o.s.	49	1950
PETN	02	0150
PETN	02	0411

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
PETN, MIXTURE DESENSITIZED	52	3344
PETN.TNT	02	015
PETROL	14	1203
PETROLEUM CRUDE OIL	14	126
PETROLEUM FUEL (Aust)	14	1270
PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	18	3494
PETROLEUM DISTILLATES, N.O.S.	14	126
PETROLEUM GASES, LIQUEFIED	04	107
Petroleum naphtha	14	126
Petroleum oil	14	126
PETROLEUM PRODUCTS, N.O.S.	14	126
Petroleum raffinate	14	126
Petroleum spirit	14	126
PETROLEUM SPIRIT	14	127
PHENACYL BROMIDE	36	264
PHENETIDINES	36	231
PHENOLATES, LIQUID	37	290
PHENOLATES, SOLID	37	290
PHENOL, MOLTEN	36	231
PHENOL, SOLID	36	167
PHENOL SOLUTION	36	282
PHENOLSULPHONIC ACID, LIQUID	36	180
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	334
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	35	334
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	334
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	35	334
PHENOXY PESTICIDE, LIQUID, FLAMMABLE, TOXIC	16	276
PHENOXY PESTICIDE, LIQUID, TOXIC	35	300
PHENOXY PESTICIDE, LIQUID, TOXIC, FLAMMABLE	17	299
PHENOXY PESTICIDE, SOLID, TOXIC	35	276
PHENYLACETONITRILE, LIQUID	35	247
PHENYLACETYL CHLORIDE	39	257
Phenylamine	36	154
-Phenylbutane	15	270
2-Phenylbutane	15	270
PHENYLCARBYLAMINE CHLORIDE	34	167
PHENYL CHLOROFORMATE	39	274

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Phenyl cyanide	35	2224
PHENYLENEDIAMINES (o-, m-, p-)	36	1673
Phenylethylene	19P	205
PHENYLHYDRAZINE	36	2572
PHENYL ISOCYANATE	38	248
Phenylisocyanodichloride	35	2224
PHENYL MERCAPTAN	16	233
PHENYLMERCURIC ACETATE	34	1674
PHENYLMERCURIC COMPOUND, N.O.S.	34	2026
PHENYLMERCURIC HYDROXIDE	34	1894
PHENYLMERCURIC NITRATE	34	189
PHENYLPHOSPHORUS DICHLORIDE	39	2798
PHENYLPHOSPHORUS THIODICHLORIDE	39	2799
2-Phenylpropene	15	2303
PHENYLTRICHLOROSILANE	39	1804
PHENYL UREA PESTICIDE, LIQUID, FLAMMABLE, TOXIC	16	2768
PHENYL UREA PESTICIDE, LIQUID, TOXIC	34	3002
PHENYL UREA PESTICIDE, LIQUID, TOXIC, FLAMMABLE	17	3001
PHENYL UREA PESTICIDE, SOLID, TOXIC	34	2767
PHOSGENE	07	1076
9-PHOSPHABICYCLONONANES (CYCLOOCTADIENE PHOSPHINES)	23	2940
PHOSPHINE	13	2199
Phosphoretted hydrogen	13	2199
PHOSPHORIC ACID, SOLUTION	37	180
PHOSPHORIC ACID, SOLID	37	3453
Phosphoric acid, anhydrous	40	180
PHOSPHOROUS ACID	37	2834
PHOSPHORUS, AMORPHOUS	20	1338
Phosphorus bromide	40	1808
Phosphorus chloride	40	1809
PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus	27	1339
PHOSPHORUS OXYBROMIDE	40	1939
PHOSPHORUS OXYBROMIDE, MOLTEN	40	2576
PHOSPHORUS OXYCHLORIDE	40	1810
PHOSPHORUS PENTABROMIDE	40	269
PHOSPHORUS PENTACHLORIDE	40	1806
PHOSPHORUS PENTAFLUORIDE	07	2198
PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	27	1340
PHOSPHORUS PENTOXIDE	40	180

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus	25	1341
Phosphorus (V) sulphide, free from yellow and white phosphorus	27	1340
Phosphorus sulphochloride	40	1837
PHOSPHORUS TRIBROMIDE	40	1808
PHOSPHORUS TRICHLORIDE	40	1809
PHOSPHORUS TRIOXIDE	23	2578
PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus	38	1343
PHOSPHORUS, WHITE, DRY	24	1381
PHOSPHORUS, WHITE IN SOLUTION	24	1381
PHOSPHORUS, WHITE, MOLTEN	24	2447
PHOSPHORUS, WHITE UNDER WATER	24	1381
PHOSPHORUS, YELLOW, DRY	24	1381
PHOSPHORUS, YELLOW, IN SOLUTION	24	1381
PHOSPHORUS, YELLOW, UNDER WATER	24	1381
Phosphoryl chloride	40	1810
PHOTO-FLASH POWDER	02	0096
PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	39	2214
PHTHALIMIDE DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	16	2774
PHTHALIMIDE DERIVATIVE PESTICIDE, LIQUID, TOXIC	34	3008
PHTHALIMIDE DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	17	3007
PHTHALIMIDE DERIVATIVE PESTICIDE, SOLID, TOXIC	34	2773
PICOLINES	18	2313
PICRAMIDE	02	0153
PICRIC ACID	02	0154
PICRIC ACID, WETTED	52	1344
PICRIC ACID, WETTED	52	3364
PICRITE	02	0282
PICRITE, WETTED	52	1336
Picrotoxin	36	3172
Picrotoxin	38	3462
PICRYL CHLORIDE	02	0155
PICRYL CHLORIDE, WETTED	52	3365
PINANE HYDROPEROXIDE	32	2162
PINDONE	34	2472
alpha-PINENE	14	2368
PINE OIL	14	1272
PIPERAZINE	36	2579
PIPERIDINE	19	2401
Pivaloyl chloride	38	2438

CLASTICS MUDLDING COMPOUND in dough, sheet or extruded rope form 20 33 PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S. 23 200 POLISH 14 122 POLISH (Aust.) 14 122 POLISH (Aust.) 14 122 POLISH (Aust.) 14 122 POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 277 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 18 277 POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 322 POLYCHORINATED BIPHENYLS, IQUID 48 23 POLYCHORINATED BIPHENYLS, SOLID 48 341 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATE 37 166 POLYBALOGENATE 37 167 POLYBALOGENATE 37 167 POTA	PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
evolving flammable vapour 20 33 PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S. 23 200 POLISH 14 120 POLISH (Aust.) 14 120 POLISH (Aust.) 36 300 POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 277 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 277 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 37 323 POLYCHLORINATED BIPHENYLS, LIQUID 48 23 POLYCHLORINATED BIPHENYLS, SOLID 48 34 POLYCHLORINATED BIPHENYLS, SOLID 48 31 POLYCHLOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYMALOGENATED TERPHENYLS, SOLID 37 16 POLYMALOGENATED TERPHENYLS, SOLID 37 16	Plastic explosives	02	008
2LASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S. 23 200 POLISH 14 124 POLISH (Aust.) 14 124 POLISH (Aust.) 36 300 POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 277 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 277 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 37 324 POLYCHORINATED BIPHENYLS, LIQUID 48 344 POLYCHORINATED BIPHENYLS, SOLID 48 344 POLYCHORINATED BIPHENYLS, SOLID 48 344 POLYCHALOGENATED BIPHENYLS, SOLID 48 314 POLYHALOGENATED BIPHENYLS, SOLID 48 314 POLYHALOGENATED TERPHENYLS, SOLID 48 314 POLYHALOGENATED TERPHENYLS, SOLID 48 314 POLYHALOGENATED TERPHENYLS, SOLID 48 314 POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour 20 22 POTASSIUM 37 265 Potassium bifuoride 37 265 Potassium bifuoride 37 265 Potassium bisulphate solution 37 265 <tr< td=""><td>PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form</td><td></td><td></td></tr<>	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form		
POLISH 14 124 POLISH (Aust.) 14 124 POLISH (Aust.) 36 300 POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 273 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 275 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 275 POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 323 POLYCHLORINATED BIPHENYLS, LIQUID 48 231 POLYCHLORINATED BIPHENYLS, SOLID 48 341 POLYHALOGENATED BIPHENYLS, SOLID 48 311 POLYHALOGENATED BIPHENYLS, SOLID 48 311 POLYHALOGENATED TERPHENYLS, SOLID 48 311 POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour 20 22 POTASSIUM 37 26 26 Potassium bifluoride 37 16 27 Potassium bisulphate 37 26 26 18 Potassium bisulphate solution </td <td>evolving flammable vapour</td> <td>20</td> <td>331</td>	evolving flammable vapour	20	331
2011SH (Aust.) 14 12 2011SH (Aust.) 36 300 2012YAMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 273 201YAMINES, LIQUID, CORROSIVE, N.O.S. 36 273 201YAMINES, LIQUID, CORROSIVE, N.O.S. 36 273 201YAMINES, LIQUID, CORROSIVE, N.O.S. 37 324 201YCHLORINATED BIPHENYLS, LIQUID 48 23 201YCHLORINATED BIPHENYLS, SOLID 48 34 201YCHLORINATED BIPHENYLS, SOLID 48 31 201YHALOGENATED BIPHENYLS, SOLID 48 31 201YHALOGENATED TERPHENYLS, SOLID 48 31 201YHALOGENATED TERPHENYLS, SOLID 48 31 201YMERIC BEADS, EXPANDABLE, evolving flammable vapour 20 22 201ystyrene beads, expandable 20 22 22 201ASSIUM ARSENATE 34 16 6 201ASSIUM ARSENATE 37 18 37 201ASSIUM BROMATE 31 144 44 201ASSIUM BROMATE 31 144 26 201	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	23	200
POLISH (Aust.) 36 300 POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 273 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 273 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 37 324 POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 324 POLYCHLORINATED BIPHENYLS, LIQUID 48 23 POLYCHLORINATED BIPHENYLS, SOLID 48 34 POLYCHLORINATED BIPHENYLS, SOLID 48 31 POLYCHLORINATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATE 20 22 Polystyrene beads, expandable 20 22 POLYASIUM ARSENITE 37 16 POTASSIUM ARSENITE 37 16 POTASSIUM BOROHYDRIDE 26 18 POTASSIUM CHLORATE, AQUEOUS SOLUTION 31 14 <	POLISH	14	126
COLUMINES, FLAMMABLE, CORROSIVE, N.O.S. 18 27 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 27 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 27 POLYAMINES, LIQUID, CORROSIVE, N.O.S. 37 32 POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 32 POLYCHLORINATED BIPHENYLS, LIQUID 48 23 POLYCHLORINATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED BIPHENYLS, LIQUID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour 20 22 POTASSIUM ARSENATE 37 16 POTASSIUM ARSENATE 37 16 Potassium bisulphate 37 26 PotASSIUM BROHYDRIDE 31 14 PotASSIUM BROMATE 31 14 PotASSIUM BROMATE 31 14 PotASSIUM CUPROCYANIDE 40 16	POLISH (Aust.)	14	126
POLYAMINES, LIQUID, CORROSIVE, N.O.S. 36 27. POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. 18 27. POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 32. POLYCHLORINATED BIPHENYLS, LIQUID 48 23. POLYCHLORINATED BIPHENYLS, SOLID 48 34. POLYESTER RESIN KIT 15 32. POLYHALOGENATED BIPHENYLS, LIQUID 48 31. POLYHALOGENATED BIPHENYLS, SOLID 48 31. POLYHALOGENATED TERPHENYLS, SOLID 48 31. POLYHALOGENATED TERPHENYLS, SOLID 48 31. POLYHALOGENATED TERPHENYLS, SOLID 48 31. POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour 20 22. POTASSIUM ARSENATE 34 16. POTASSIUM ARSENATE 37 18. Potassium bisulphate 37 26. Potassium bisulphate 37 18. Potassium bisulphate 31 14. Potassium bisulphate 31 14. Potassium bisulphate 31 14.	POLISH (Aust.)	36	306
POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. 18 27 POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 324 POLYCHLORINATED BIPHENYLS, LIQUID 48 34 POLYCHLORINATED BIPHENYLS, SOLID 48 34 POLYESTER RESIN KIT 15 324 POLYHALOGENATED BIPHENYLS, LIQUID 48 31 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATE 14 31 POLYHALOGENATE 37 16 POLYHALOGENATE 37 18 POLYHALOGENATE 37 18 POLYHALOGENATE 31 144 POLYSIUM ARSENITE 31 144 POLASSIUM BROMATE 31<	POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	18	273
POLYAMINES, SOLID, CORROSIVE, N.O.S. 37 324 POLYCHLORINATED BIPHENYLS, LIQUID 48 23 POLYCHLORINATED BIPHENYLS, SOLID 48 34 POLYESTER RESIN KIT 15 324 POLYEALOGENATED BIPHENYLS, LIQUID 48 31 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATE 101 48 31 POLYHALOGENATE 20 22 22 POLYHALOGENATE 37 18 31 POLYHALOGENATE 37 18 31 POLYSIUM ARSENITE 31 144 20 POLASSIUM BROMATE 31	POLYAMINES, LIQUID, CORROSIVE, N.O.S.	36	273
POLYCHLORINATED BIPHENYLS, LIQUID 48 23 POLYCHLORINATED BIPHENYLS, SOLID 48 34 POLYCHLORINATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED BIPHENYLS, LIQUID 48 31 POLYHALOGENATED BIPHENYLS, SOLID 48 31 POLYHALOGENATED TERPHENYLS, LIQUID 48 31 POLYHALOGENATED TERPHENYLS, SOLID 48 31 POLYHALOGENATER 20 22 POLYHALOGENATE 20 22 POLYHALOGENATE 34 16 POLYHALOGENATE 37 18 POTASSIUM ARSENITE 37 18 POTASSIUM ARSENITE 31 144 POTASSIUM BOROHYDRIDE 26 18 POTASSIUM BROMATE 31 144 POTASSIUM CHLORATE 31 144	POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	18	273
POLYCHLORINATED BIPHENYLS, SOLID 48 34. POLYESTER RESIN KIT 15 32.4 POLYESTER RESIN KIT 15 32.4 POLYESTER RESIN KIT 15 32.4 POLYESTER RESIN KIT 16 32.4 POLYHALOGENATED BIPHENYLS, SOLID 48 31.4 POLYHALOGENATED TERPHENYLS, SOLID 48 31.4 POLYBALOGENATED TERPHENYLS, SOLID 48 31.4 POLYBALOGENATED TERPHENYLS, SOLID 20 22.2 POLYBALOGENATE 20 22.2 POLYBALOGENATE 34 16 POTASSIUM ARSENTE 37 18 POTASSIUM ARSENTE 37 26 POTASSIUM BROCHYDRIDE 31 144 POTASSIUM CHLORATE 31 144 POTASSIUM CHLORATE, AQUEOUS SOLUTION 34 <td>POLYAMINES, SOLID, CORROSIVE, N.O.S.</td> <td>37</td> <td>325</td>	POLYAMINES, SOLID, CORROSIVE, N.O.S.	37	325
POLYESTER RESIN KIT15324POLYHALOGENATED BIPHENYLS, LIQUID4831POLYHALOGENATED BIPHENYLS, SOLID4831POLYHALOGENATED TERPHENYLS, SOLID4831POLYHALOGENATED TERPHENYLS, SOLID4831POLYHALOGENATED TERPHENYLS, SOLID4831POLYHALOGENATED TERPHENYLS, SOLID4831POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour2022POTASSIUM2722POTASSIUM ARSENATE3416POTASSIUM ARSENATE3716POTASSIUM ARSENITE3716POTASSIUM ARSENITE37256POTASSIUM BISUlphate37256POTASSIUM BOROHYDRIDE2618POTASSIUM CHLORATE31144POTASSIUM CHLORATE, AQUEOUS SOLUTION3124POTASSIUM CHLORATE, AQUEOUS SOLUTION3124POTASSIUM CYANIDE SOLUTION3434POTASSIUM CYANIDE, SOLID3434POTASSIUM CYANIDE SOLUTION3434POTASSIUM CYANIDE SOLUTION3434POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	POLYCHLORINATED BIPHENYLS, LIQUID	48	231
POLYHALOGENATED BIPHENYLS, LIQUID48POLYHALOGENATED BIPHENYLS, SOLID48POLYHALOGENATED TERPHENYLS, SOLID48POLYHALOGENATED TERPHENYLS, SOLID48POLYHALOGENATED TERPHENYLS, SOLID48POLYHALOGENATED TERPHENYLS, SOLID48POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour20POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour20POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour20POTASSIUM27POTASSIUM ARSENATE34POTASSIUM ARSENATE34POTASSIUM ARSENITE37Potassium bifluoride37Potassium bisulphate37Potassium bisulphate37POTASSIUM BOROHYDRIDE26POTASSIUM CHLORATE31POTASSIUM CHLORATE, AQUEOUS SOLUTION31POTASSIUM CYANIDE, SOLID34POTASSIUM CYANIDE, SOLID34POTASSIUM CYANIDE, SOLID34POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25POTASSIUM FLUORIDE, SOLID37POTASSIUM FLUORIDE, SOLID37POTASSIUM FLUORIDE, SOLID37	POLYCHLORINATED BIPHENYLS, SOLID	48	343
POOLYHALOGENATED BIPHENYLS, SOLID48311POLYHALOGENATED TERPHENYLS, LIQUID48311POLYHALOGENATED TERPHENYLS, SOLID48311POLYHALOGENATED TERPHENYLS, SOLID48311POLYHALOGENATED TERPHENYLS, SOLID48311POLYHALOGENATED TERPHENYLS, SOLID48311POLYHALOGENATED TERPHENYLS, SOLID2022Polystyrene beads, expandable2022POTASSIUM2722POTASSIUM ARSENATE3416POTASSIUM ARSENITE3716Potassium bisulphate37250Potassium bisulphate solution37260POTASSIUM BOROHYDRIDE2618POTASSIUM BOROHYDRIDE31144POTASSIUM CHLORATE31144POTASSIUM CHLORATE31144POTASSIUM CHLORATE, AQUEOUS SOLUTION31244POTASSIUM CHLORATE, AQUEOUS SOLUTION3434POTASSIUM CYANIDE, SOLID34166POTASSIUM CYANIDE, SOLID3434POTASSIUM CYANIDE SOLUTION3434POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	POLYESTER RESIN KIT	15	326
POLYHALOGENATED TERPHENYLS, LIQUID4831POLYHALOGENATED TERPHENYLS, SOLID4831POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour2022POlystyrene beads, expandable2022POTASSIUM2722POTASSIUM ARSENATE3416POTASSIUM ARSENITE37165Potassium bifluoride3718Potassium bisulphate37250Potassium bisulphate37260PotASSIUM BOROHYDRIDE26185PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE, AQUEOUS SOLUTION3124PotASSIUM CYANIDE, SOLID34166PotASSIUM CYANIDE SOLUTION3434PotASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3734	POLYHALOGENATED BIPHENYLS, LIQUID	48	315
POLYHALOGENATED TERPHENYLS, SOLID48314POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour2022Polystyrene beads, expandable2022POTASSIUM27224POTASSIUM ARSENATE3416POTASSIUM ARSENITE3716Potassium bifluoride3718Potassium bisulphate37256Potassium bisulphate solution37266Potassium Borony Distribute31144Potassium Brown E31144Potassium CHLORATE31144Potassium chlorate mixed with mineral oil02006Potassium CYANIDE, SOLID34166Potassium dicyanocuprate (I)40166Potassium dicyanocuprate (I)40166Potassium LUORIDE, SOLID3718Potassium LUORIDE, SOLID3718Potassium LUORIDE, SOLID3434Potassium CYANIDE, SOLID3434Potassium LUORIDE, SOLID3718Potassium HUORIDE, SOLID3718Potassium LUORIDE, SOLID3718Potassium FLUORIDE, SOLID3718Potassium FLUORIDE, SOLID3718Potassium FLUORIDE, SOLID3734Potassium FLUORIDE, SOLID3734Potassium FLUORIDE, SOLID3734	POLYHALOGENATED BIPHENYLS, SOLID	48	315
POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour2022Polystyrene beads, expandable2022POTASSIUM2722POTASSIUM ARSENATE3416POTASSIUM ARSENITE3716Potassium bifuoride3718Potassium bisulphate37250Potassium bisulphate solution37260PotASSIUM BOROHYDRIDE2618PotASSIUM BROMATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE, AQUEOUS SOLUTION31244PotASSIUM CYANIDE, SOLID34164PotASSIUM CYANIDE, SOLID3434PotASSIUM CYANIDE, SOLID3434PotASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	POLYHALOGENATED TERPHENYLS, LIQUID	48	315
Polystyrene beads, expandable2022POTASSIUM2722POTASSIUM ARSENATE3416POTASSIUM ARSENITE3716Potassium bifluoride3718Potassium bisulphate3726Potassium bisulphate3726Potassium bisulphate3726Potassium bisulphate3726Potassium bisulphate31144PotASSIUM BOROHYDRIDE2618PotASSIUM BROMATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE, AQUEOUS SOLUTION3124PotASSIUM CUPROCYANIDE4016PotASSIUM CYANIDE, SOLID3434PotASSIUM CYANIDE, SOLID3434PotASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3734	POLYHALOGENATED TERPHENYLS, SOLID	48	315
POTASSIUM2722POTASSIUM ARSENATE3416POTASSIUM ARSENITE3716Potassium bifluoride3718Potassium bisulphate37250Potassium bisulphate solution37260Potassium bisulphate solution37260Potassium bisulphate solution37260Potassium bisulphate solution37260Potassium bisulphate solution37260PotASSIUM BOROHYDRIDE26180PotASSIUM BROMATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE, AQUEOUS SOLUTION31240PotASSIUM CHLORATE, AQUEOUS SOLUTION31240PotASSIUM CUPROCYANIDE40160PotASSIUM CUPROCYANIDE40160PotASSIUM CYANIDE, SOLID3434Potassium dicyanocuprate (I)40160PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3734	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	20	221
POTASSIUM ARSENATE3416POTASSIUM ARSENITE3716Potassium bisulphate3718Potassium bisulphate37250Potassium bisulphate solution37260Potassium BOROHYDRIDE26180PotASSIUM BROMATE31144Potassium chlorate mixed with mineral oil02000PotASSIUM CUPROCYANIDE40160PotASSIUM CYANIDE, SOLID34164Potassium dicyanocuprate (I)40160PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE SOLUTION3734	Polystyrene beads, expandable	20	221
POTASSIUM ARSENITE37167Potassium bifluoride3718Potassium bisulphate37250Potassium bisulphate solution37260Potassium bisulphate solution37260Potassium bisulphate solution37260PotASSIUM BOROHYDRIDE26187PotASSIUM BROMATE31144PotASSIUM CHLORATE31144PotASSIUM CHLORATE, AQUEOUS SOLUTION31244PotASSIUM CHLORATE, AQUEOUS SOLUTION31244PotASSIUM CUPROCYANIDE40167PotASSIUM CUPROCYANIDE40167PotASSIUM CYANIDE, SOLID3434Potassium dicyanocuprate (I)40167PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3734	POTASSIUM	27	225
Potassium bifluoride3718Potassium bisulphate37250Potassium bisulphate solution37260Potassium bisulphate solution37260Potassium bisulphate solution37260PotASSIUM BOROHYDRIDE26180PotASSIUM BOMATE31140PotASSIUM CHLORATE31140PotASSIUM CHLORATE, AQUEOUS SOLUTION31240Potassium chlorate mixed with mineral oil02000PotASSIUM CUPROCYANIDE40160PotASSIUM CYANIDE, SOLID34160PotASSIUM CYANIDE, SOLID3434Potassium dicyanocuprate (I)40160PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE, SOLID3718PotASSIUM FLUORIDE SOLUTION3734	POTASSIUM ARSENATE	34	167
Potassium bisulphate37250Potassium bisulphate solution37260Potassium bisulphate solution37260POTASSIUM BOROHYDRIDE26180POTASSIUM BROMATE31140POTASSIUM CHLORATE31140POTASSIUM CHLORATE, AQUEOUS SOLUTION31240Potassium chlorate mixed with mineral oil02000POTASSIUM CUPROCYANIDE40160POTASSIUM CYANIDE, SOLID34160POTASSIUM CYANIDE, SOLID3434Potassium dicyanocuprate (I)40160POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	POTASSIUM ARSENITE	37	167
Potassium bisulphate solution37269POTASSIUM BOROHYDRIDE26181POTASSIUM BROMATE31144POTASSIUM CHLORATE31144POTASSIUM CHLORATE, AQUEOUS SOLUTION3124POTASSIUM CHLORATE, AQUEOUS SOLUTION3124POTASSIUM CHORATE, AQUEOUS SOLUTION3124POTASSIUM CUPROCYANIDE40165POTASSIUM CUPROCYANIDE, SOLID34164POTASSIUM CYANIDE, SOLID3434POTASSIUM CYANIDE SOLUTION3434POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	Potassium bifluoride	37	181
Potassium bisulphate solution37269POTASSIUM BOROHYDRIDE26181POTASSIUM BROMATE31144POTASSIUM CHLORATE31144POTASSIUM CHLORATE, AQUEOUS SOLUTION3124POTASSIUM CHLORATE, AQUEOUS SOLUTION3124POTASSIUM CHORATE, AQUEOUS SOLUTION3124POTASSIUM CUPROCYANIDE40165POTASSIUM CUPROCYANIDE, SOLID34164POTASSIUM CYANIDE, SOLID3434POTASSIUM CYANIDE SOLUTION3434POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	Potassium bisulphate	37	250
POTASSIUM BROMATE31144POTASSIUM CHLORATE31144POTASSIUM CHLORATE, AQUEOUS SOLUTION31244POTASSIUM CHLORATE, AQUEOUS SOLUTION31244Potassium chlorate mixed with mineral oil02000POTASSIUM CUPROCYANIDE40165POTASSIUM CYANIDE, SOLID34164POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)40165POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	Potassium bisulphate solution	37	269
POTASSIUM CHLORATE31144POTASSIUM CHLORATE, AQUEOUS SOLUTION3124Potassium chlorate mixed with mineral oil02004POTASSIUM CUPROCYANIDE4016POTASSIUM CYANIDE, SOLID34164POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)4016POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	POTASSIUM BOROHYDRIDE	26	187
POTASSIUM CHLORATE, AQUEOUS SOLUTION3124Potassium chlorate mixed with mineral oil02004POTASSIUM CUPROCYANIDE40165POTASSIUM CYANIDE, SOLID34164POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)40165POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE, SOLID3734	POTASSIUM BROMATE	31	148
Potassium chlorate mixed with mineral oil02008POTASSIUM CUPROCYANIDE40161POTASSIUM CYANIDE, SOLID34168POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)40161POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	POTASSIUM CHLORATE	31	148
Potassium chlorate mixed with mineral oil02008POTASSIUM CUPROCYANIDE40161POTASSIUM CYANIDE, SOLID34168POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)40161POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	POTASSIUM CHLORATE. AQUEOUS SOLUTION	31	242
POTASSIUM CYANIDE, SOLID34168POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)40163POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	Potassium chlorate mixed with mineral oil	02	008
POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)4016POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	POTASSIUM CUPROCYANIDE	40	167
POTASSIUM CYANIDE SOLUTION3434Potassium dicyanocuprate (I)4016POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION3734	POTASSIUM CYANIDE. SOLID	34	168
Potassium dicyanocuprate (I)40167POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION37342			341
POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)25192POTASSIUM FLUORIDE, SOLID3718POTASSIUM FLUORIDE SOLUTION37342			167
POTASSIUM FLUORIDE, SOLID 37 18 POTASSIUM FLUORIDE SOLUTION 37 34:			192
POTASSIUM FLUORIDE SOLUTION 37 34			181
			342
	POTASSIUM FLUOROACETATE	34	262

Potassium hexafluorosilicate 34 2655 Potassium hydrate 37 1814 POTASSIUM HYDROGEN DIFLUORIDE SOLUTION 37 3421 POTASSIUM HYDROGEN DIFLUORIDE SOLUTION 37 3421 POTASSIUM HYDROGEN SULPHATE 37 2509 POTASSIUM HYDROSULPHITE 25 1929 POTASSIUM HYDROXIDE, SOLID 37 1814 POTASSIUM HYDROXIDE, SOLID 37 1814 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYA 27 2033 POTASSIUM MITRATE 31 1448 <t< th=""><th>PROPER SHIPPING NAME – TECHNICAL NAME</th><th>GUIDE</th><th>UN</th></t<>	PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Potassium hydrate 37 1814 POTASSIUM HYDROGEN DIFLUORIDE, SOLID 37 1811 POTASSIUM HYDROGEN DIFLUORIDE SOLUTION 37 3421 POTASSIUM HYDROGEN SULPHATE 37 2509 POTASSIUM HYDROSULPHITE 25 1929 Potassium hydroxide, ilquid 37 1814 POTASSIUM HYDROXIDE, SOLID 37 1813 POTASSIUM HYDROXIDE, SOLID 26 1420 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, SOLID 37 2033 POTASSIUM MONOXIDE 37 2033 POTASSIUM NITRATE 31 1499 POTASSIUM PERCHLORATE 31 1499 POTASSIUM PER	POTASSIUM FLUOROSILICATE	34	2655
DATASSIUM HYDROGEN DIFLUORIDE, SOLID 37 1811 POTASSIUM HYDROGEN DIFLUORIDE, SOLID 37 3421 POTASSIUM HYDROGEN SULPHATE 37 2509 POTASSIUM HYDROSULPHITE 25 1929 Potassium hydroxide, liquid 37 1814 POTASSIUM HYDROSULPHITE 25 1929 Potassium hydroxide, SoliD 37 1814 POTASSIUM MYDROXIDE, SOLID 26 1420 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, SOLID 28 1499 POTASSIUM NITRATE 31 1486 POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE 31 1486 POTASSIUM PERCHLORATE 31 1499 POTASSIUM PERCHLORATE 31 1499	Potassium hexafluorosilicate	34	2655
POTASSIUM HYDROGEN DIFLUORIDE SOLUTION 37 3421 POTASSIUM HYDROGEN SULPHATE 37 2509 POTASSIUM HYDROSULPHITE 25 1929 Potassium hydroxide, liquid 37 1814 POTASSIUM HYDROXIDE, SOLID 37 1813 POTASSIUM HYDROXIDE, SOLID 37 1814 POTASSIUM MYDROXIDE, SOLID 26 1420 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM MITRATE 31 1486 POTASSIUM NITRATE 31 1486 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERSULPHATE 31 1492 POTASSIUM PERSULPHATE 31 1492 POTASSIUM SALTS OF NITRO ARO	Potassium hydrate	37	1814
POTASSIUM HYDROGEN SULPHATE 37 2509 POTASSIUM HYDROSULPHITE 25 1929 Potassium hydroxide, liquid 37 1814 POTASSIUM HYDROXIDE, SOLID 37 1813 POTASSIUM HYDROXIDE SOLUTION 37 1814 POTASSIUM HYDROXIDE SOLUTION 37 1814 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, SOLID 31 1486 POTASSIUM METAVANADATE 31 1486 POTASSIUM NITRATE 31 1489 POTASSIUM NITRATE 31 1487 POTASSIUM NITRATE 31 1488 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1499 POTASSIUM PERSULPHATE 31 1492 POTASSIUM PERSULPHATE 31 1492 POTASSIUM PERSULPHATE 31 1492 POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES 22 0158 POTASSIUM SOLIUM ALLOYS, SOLID 6 <td>POTASSIUM HYDROGEN DIFLUORIDE, SOLID</td> <td>37</td> <td>1811</td>	POTASSIUM HYDROGEN DIFLUORIDE, SOLID	37	1811
POTASSIUM HYDROSULPHITE 25 1929 Potassium hydroxide, liquid 37 1814 POTASSIUM HYDROXIDE, SOLID 37 1813 POTASSIUM HYDROXIDE SOLUTION 37 1814 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, LIQUID 26 3403 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, SOLID 31 1486 POTASSIUM NITRATE 31 1489 POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE 31 1489 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PEROXIDE 27 2012 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXI	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION	37	3421
Potassium hydroxide, liquid 37 1814 Potassium hydroxide, liquid 37 1814 Potassium HyDROXIDE, SOLID 37 1814 Potassium METAL ALLOYS, LIQUID 26 1420 Potassium METAL ALLOYS, SOLID 26 3403 Potassium MITRATE 31 1486 Potassium nitrate and sodium nitrate mixture 31 1499 PotASSIUM NITRATE 31 1486 Potassium NITRATE AND SODIUM NITRITE MIXTURE 31 1489 PotASSIUM PERCHLORATE 31 1489 Potassium PERCHLORATE 31 1490 Potassium PEROXIDE 28 1491 Potassium Selenate 34 2630 Potassium selenate 34 2630 Potassium selenate 34 2630 Potassium solonum ALLOYS, SULD<	POTASSIUM HYDROGEN SULPHATE	37	2509
POTASSIUM HYDROXIDE, SOLID 37 1813 POTASSIUM HYDROXIDE SOLUTION 37 1814 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAVANADATE 34 2864 POTASSIUM MITATE 31 1486 Potassium nitrate and sodium nitrate mixture 31 1499 POTASSIUM NITRATE 31 1487 POTASSIUM PERCHLORATE 31 1488 POTASSIUM PERCHLORATE 31 1499 POTASSIUM PERCHLORATE 31 1490 POTASSIUM PERSULPHATE 31 1492 POTASSIUM PERSULPHATE 31 1492 POTASSIUM PERSULPHATE 31 1492 POTASSIUM SOLID PHIDE 27 2012 POTASSIUM SOLID ALLOYS, LIQUID 26 1422 POTASSIUM SOLID ALLOYS, SOLID 26 342 Potassium selenite 34 2655 POTASSIUM SOLID ALLOYS, SOLID 26 3442 POTASSIUM SOLIDM ALLOYS, SOLID 26 <t< td=""><td>POTASSIUM HYDROSULPHITE</td><td>25</td><td>1929</td></t<>	POTASSIUM HYDROSULPHITE	25	1929
POTASSIUM HYDROXIDE SOLUTION 37 1814 POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAL ALLOYS, SOLID 37 2033 POTASSIUM METAVANADATE 34 2864 POTASSIUM MONOXIDE 37 2033 POTASSIUM NITRATE 31 1486 Potassium nitrate and sodium nitrate mixture 31 1499 POTASSIUM NITRATE 31 1488 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1490 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 27 2012 POTASSIUM PERSULPHATE 31 1492 POTASSIUM SOLIN PARONATIC DERIVATIVES 02 0158 Potassium selenite 34 2630 Potassium solonum ALLOYS, SOLID 26 3404 POTASSIUM SOLIUM ALLOYS, SOLID 26 3404 POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystalli	Potassium hydroxide, liquid	37	1814
POTASSIUM METAL ALLOYS, LIQUID 26 1420 POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAVANADATE 34 2864 POTASSIUM MONOXIDE 37 2033 POTASSIUM NONOXIDE 31 1486 POTASSIUM NITRATE 31 1499 POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE 31 1487 POTASSIUM PERCHLORATE 31 1488 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1490 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 27 2012 POTASSIUM PERSULPHATE 31 1492 POTASSIUM POSPHIDE 27 2012 POTASSIUM SOLID POLASIUM SOLID POLASIUM SOLID 26 1422 POTASSIUM SOLIM ALLOYS, SOLID 26 1422 POTASSIUM SOLIM ALLOYS, SOLID 26 1422 POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization 38 1847 POTASSIUM	POTASSIUM HYDROXIDE, SOLID	37	1813
POTASSIUM METAL ALLOYS, SOLID 26 3403 POTASSIUM METAVANADATE 34 2864 POTASSIUM MONOXIDE 37 2033 POTASSIUM NONOXIDE 37 2033 POTASSIUM NITRATE 31 1486 Potassium nitrate and sodium nitrate mixture 31 1487 POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE 31 1488 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1489 POTASSIUM PERCHLORATE 31 1490 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 27 2012 POTASSIUM PERSULPHATE 31 1492 POTASSIUM PERSULPHATE 34 2630 Potassium selenate 34 2630 Potassium selenate 34 2655 POTASSIUM SODIUM ALLOYS, SOLID 26 1422 POTASSIUM SULPHIDE, ANHYDROUS 23 1382 <td>POTASSIUM HYDROXIDE SOLUTION</td> <td>37</td> <td>1814</td>	POTASSIUM HYDROXIDE SOLUTION	37	1814
POTASSIUM METAVANADATE 34 2864 POTASSIUM MONOXIDE 37 2033 POTASSIUM NITRATE 31 1486 Potassium nitrate and sodium nitrate mixture 31 1499 POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE 31 1483 POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE 31 1483 POTASSIUM PERCHLORATE 31 1483 POTASSIUM PERCHLORATE 31 1490 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 28 1491 POTASSIUM PEROXIDE 27 2012 POTASSIUM PEROXIDE 28 1492 POTASSIUM POSPHIDE 27 2012 POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES 02 0158 Potassium selenate 34 2650 POTASSIUM SODIUM ALLOYS, LIQUID 26 1402 POTASSIUM SULPHIDE, ANHYDROUS 23 1382 POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization 23 1382 POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization 23 1382 POTASSIUM SULPHIDE, HYDRATED wit	POTASSIUM METAL ALLOYS, LIQUID	26	1420
POTASSIUM MONOXIDE372033POTASSIUM NITRATE311486Potassium nitrate and sodium nitrate mixture311499POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE311487POTASSIUM NITRITE311488POTASSIUM PERCHLORATE311489POTASSIUM PERCHLORATE311490POTASSIUM PEROXIDE281491POTASSIUM PEROXIDE281491POTASSIUM PERSULPHATE311492POTASSIUM PERSULPHATE311492POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenate342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization38POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization38POTASSIUM SULPROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER PASTE020433POWDER PASTE020459POWDER PASTE020459POWDER PASTE020459POWDER PASTE020459POWDER PASTE020459POWDER PASTE020459POWDER PASTE020459POWDER PASTE020459POWDER PASTE0	POTASSIUM METAL ALLOYS, SOLID	26	3403
POTASSIUM NITRATE311486Potassium nitrate and sodium nitrate mixture311499POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE311487POTASSIUM NITRITE311489POTASSIUM PERCHLORATE311489POTASSIUM PERCHLORATE311490POTASSIUM PEROXIDE281491POTASSIUM PEROXIDE281491POTASSIUM PERSULPHATE311492POTASSIUM POSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE2824662466POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER PASTE0204330459POWDER PASTE020459POWDER PASTE020459	POTASSIUM METAVANADATE	34	2864
Potassium nitrate and sodium nitrate mixture311499POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE311487POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE311488POTASSIUM PERCHLORATE311489POTASSIUM PERCHLORATE311490POTASSIUM PEROXIDE281491POTASSIUM PEROXIDE281491POTASSIUM PEROXIDE272012POTASSIUM POSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342630Potassium solution de261422POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE28246624630POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330159POWDER PASTE020159POWDER PASTE020159	POTASSIUM MONOXIDE	37	2033
POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE311487POTASSIUM NITRITE311488POTASSIUM PERCHLORATE311489POTASSIUM PERCHLORATE311490POTASSIUM PERCHLORATE311490POTASSIUM PEROXIDE281491POTASSIUM PERSULPHATE311492POTASSIUM POSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenate342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE2824662466POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER PASTE0204330433POWDER PASTE020433020433POWDER PASTE020433020433POWDER PASTE020433020433POWDER PASTE020433020433POWDER PASTE	POTASSIUM NITRATE	31	1486
POTASSIUM NITRITE311488POTASSIUM PERCHLORATE311489POTASSIUM PERCHLORATE311490POTASSIUM PEROXIDE281491POTASSIUM PERSULPHATE311492POTASSIUM PERSULPHATE311492POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SOLIVA ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, KONTED2824662433POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE020159020159	Potassium nitrate and sodium nitrate mixture	31	1499
POTASSIUM PERCHLORATE311489POTASSIUM PERMANGANATE311490POTASSIUM PEROXIDE281491POTASSIUM PERSULPHATE311492POTASSIUM PERSULPHATE311492POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SOLUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE with less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE020459020159POWDER PASTE020159020159	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	31	1487
POTASSIUM PERMANGANATE311490POTASSIUM PEROXIDE281491POTASSIUM PEROXIDE21281491POTASSIUM PERSULPHATE311492POTASSIUM PHOSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 25% water, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE020433020459POWDER PASTE020459020459	POTASSIUM NITRITE	31	1488
POTASSIUM PEROXIDE281491POTASSIUM PERSULPHATE311492POTASSIUM PHOSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPROXIDE2824662433POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE020433020433POWDER PASTE020433020459	POTASSIUM PERCHLORATE	31	1489
POTASSIUM PERSULPHATE311492POTASSIUM PHOSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE020433020433POWDER PASTE020433020433	POTASSIUM PERMANGANATE	31	1490
POTASSIUM PHOSPHIDE272012POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE2824662433POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330459POWDER PASTE0204330459	POTASSIUM PEROXIDE	28	1491
POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES020158Potassium selenate342630Potassium selenite342655Potassium silicofluoride342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, With less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER PASTE0204330433POWDER PASTE02043302POWDER PASTE020459	POTASSIUM PERSULPHATE	31	1492
Potassium selenate342630Potassium selenite342630Potassium silicofluoride342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020159POWDER PASTE020433POWDER PASTE020159	POTASSIUM PHOSPHIDE	27	2012
Potassium selenite342630Potassium silicofluoride342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330433POWDER PASTE020433	POTASSIUM SALTS OF NITRO AROMATIC DERIVATIVES	02	0158*
Potassium silicofluoride342655POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE with less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330433POWDER PASTE0204330433	Potassium selenate	34	2630
POTASSIUM SODIUM ALLOYS, LIQUID261422POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE with less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330433POWDER PASTE020159	Potassium selenite	34	2630
POTASSIUM SODIUM ALLOYS, SOLID263404POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE with less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330433POWDER PASTE020159	Potassium silicofluoride	34	2655
POTASSIUM SULPHIDE, ANHYDROUS231382POTASSIUM SULPHIDE with less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020433POWDER PASTE0204330433POWDER PASTE020159	POTASSIUM SODIUM ALLOYS, LIQUID	26	1422
POTASSIUM SULPHIDE with less than 30% water of crystallization231382POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020159POWDER PASTE020433POWDER PASTE020159	POTASSIUM SODIUM ALLOYS, SOLID	26	3404
POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization381847POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020159POWDER PASTE020433POWDER PASTE020159	POTASSIUM SULPHIDE, ANHYDROUS	23	1382
POTASSIUM SUPEROXIDE282466Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020159POWDER PASTE020433POWDER PASTE020159	POTASSIUM SULPHIDE with less than 30% water of crystallization	23	1382
Potassium tetracyanomercurate (II)401626POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020159POWDER PASTE020433POWDER PASTE020159	POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	38	1847
POWDER CAKE, WETTED with not less than 17% alcohol, by mass020433POWDER CAKE, WETTED with not less than 25% water, by mass020159POWDER PASTE020433POWDER PASTE020159	POTASSIUM SUPEROXIDE	28	2466
POWDER CAKE, WETTED with not less than 25% water, by mass020159POWDER PASTE020433POWDER PASTE020159	Potassium tetracyanomercurate (II)	40	1626
POWDER PASTE 02 0433 POWDER PASTE 02 0159	POWDER CAKE, WETTED with not less than 17% alcohol, by mass	02	0433
POWDER PASTE 02 0159	POWDER CAKE, WETTED with not less than 25% water, by mass	02	0159
	POWDER PASTE	02	0433
POWDER, SMOKELESS 02 0160	POWDER PASTE	02	0159
	POWDER, SMOKELESS	02	0160

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
POWDER, SMOKELESS	02	016
POWDER, SMOKELESS	03	050
Power devices, explosive	02	038
Power devices, explosive	02	027
Power devices, explosive	03	027
Power devices, explosive	03	032
PRIMERS, CAP TYPE	03	004
PRIMERS, CAP TYPE	02	037
PRIMERS, CAP TYPE	03	037
Primers, small arms	03	004
PRIMERS, TUBULAR	02	031
PRIMERS, TUBULAR	03	032
PRIMERS, TUBULAR	03	037
PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	16	121
Projectiles, illuminating	02	017
Projectiles, illuminating	02	025
Projectiles, illuminating	03	029
PROJECTILES, inert with tracer	03	034
PROJECTILES, inert with tracer	02	042
PROJECTILES, inert with tracer	03	042
PROJECTILES with burster or expelling charge	02	034
PROJECTILES with burster or expelling charge	00	034
PROJECTILES with burster or expelling charge	02	042
PROJECTILES with burster or expelling charge	03	042
PROJECTILES with burster or expelling charge	02	043
PROJECTILES with burster or expelling charge	03	043
PROJECTILES with bursting charge	02	016
PROJECTILES with bursting charge	02	016
PROJECTILES with bursting charge	02	016
PROJECTILES with bursting charge	02	032
PROJECTILES with bursting charge	03	034
Propadiene and methyl acetylene mixture, stabilized	04P	106
PROPADIENE, STABILIZED	04P	220
PROPANE	04	197
PROPANETHIOLS	16	240
1-PROPANOL	16	127
PROPELLANT, LIQUID	02	049
PROPELLANT, LIQUID	02	049

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
PROPELLANT, SOLID	02	0498
PROPELLANT, SOLID	02	0499
PROPELLANT, SOLID	02	050
Propellant with a single base,	02	0160
Propellant with a double base,	02	0160
Propellant with a triple base	02	016
Propene	04P	107
PROPIONALDEHYDE	18	1275
PROPIONIC ACID with not less than 10% and less than 90% acid by mass	19	1848
PROPIONIC ACID with not less than 90% acid by mass	36	3463
PROPIONIC ANHYDRIDE	39	2496
PROPIONITRILE	17	2404
PROPIONYL CHLORIDE	38	181
PROPIONYL PEROXIDE	33	2132
n-PROPYL ACETATE	18	1270
PROPYL ALCOHOL, NORMAL	16	1274
PROPYLAMINE	18	127
n-PROPYLBENZENE	15	2364
Propyl chloride	16	127
n-PROPYL CHLOROFORMATE	38	2740
PROPYLENE	04P	107
PROPYLENE CHLOROHYDRIN	17	261
1,2-PROPYLENEDIAMINE	19	225
Propylene dichloride	18	127
PROPYLENEIMINE, STABILIZED	19P	192
PROPYLENE OXIDE	14P	128
PROPYLENE TETRAMER	15	285
Propylene trimer	14	205
PROPYL FORMATES	18	128
n-PROPYL ISOCYANATE	38	248
Propyl mercaptan	16	240
PROPYL MERCAPTAN	16	2704
n-PROPYL NITRATE	16	186
PROPYLTRICHLOROSILANE	25	181
Pyrazine hexahydride	36	257
PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	335
PYRETHROID PESTICIDE, LIQUID, TOXIC	34	335
PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°	C 17	335
PYRETHROID PESTICIDE, SOLID, TOXIC	34	334

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
PYRIDINE	19	1282
PYROPHORIC ALLOY, N.O.S.	23	1383
PYROPHORIC LIQUID, INORGANIC, N.O.S.	23	3194
PYROPHORIC LIQUID, ORGANIC, N.O.S.	23	284
PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.	23	1383
PYROPHORIC ORGANOMETALLIC COMPOUND, WATER-REACTIVE, N.O.S.	23	3203
PYROPHORIC SOLID, INORGANIC, N.O.S.	23	3200
PYROPHORIC SOLID, ORGANIC, N.O.S.	23	2846
PYROSULPHURYL CHLORIDE	40	181
Pyroxylin solution	52	2059
PYRROLIDINE	18	1922
Quinol	36	2662
QUINOLINE	36	2656
Quinone	36	258
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED		
ROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	43	2909
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	42	2908
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES	43	291
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF		
MATERIAL	43	291
RADIOACTIVE MATERIAL, FISSILE, N.O.S.	42	2918
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or		
issile-excepted	43	291
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	43	3324
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or		
issile-excepted	43	332
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE	43	3325
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or		
issile-excepted	43	3322
RADIOACTIVE MATERIAL, N.O.S.	42	2982
RADIOACTIVE MATERIAL, SPECIAL FORM, N.O.S.	42	2974
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	42	3320
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non fissile or fissile-excepted	42	291
RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	42	333
RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non fissile or fissile-excepted	42	291
RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	42	332

fissile-excepted4229RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE4233RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted4233RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE C PACKAGE, ISSILE4629RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted4333RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE4629RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, INSILE4629RAGS, OILY231819RARE GASES AND NITROGEN MIXTURE, COMPRESSED0819RARE GASES AND XYGEN MIXTURE, COMPRESSED0819RARE GASES AND XYGEN MIXTURE, COMPRESSED0819ROX020000RDX0200RDX0200RDX0200RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refilable0420REFRIGERANT GAS R 120610REFRIGERANT GAS R 120610REFRIGERANT GAS R 120610REFRIGERANT GAS R 120610	PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted4233RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, fISSILe non fissile or fissile-excepted4225RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted4229RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted4333RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted4333RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE4629RAGS, OILY2318RARE GASES AND NITROGEN MIXTURE, COMPRESSED0819RARE GASES AND NITROGEN MIXTURE, COMPRESSED0819RARE GASES MIXTURE, COMPRESSED0000ROX0204RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable0420REFRIGERANT GAS, N.O.S.0610REFRIGERANT GAS, N.O.S.0610REFRIGERANT GAS R 1220610REFRIGERANT GAS R 12810610REFRIGERANT GAS R 1280610REFRIGERANT GAS R 1280610REFRIGERANT GAS R 2304	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non fissile or fissile-excepted	42	2915
fissile-excepted 42 33 RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE 42 33 RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted 42 22 RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted 42 23 RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted 42 33 RADIOACTIVE MATERIAL, TYPE C PACKAGE, Non fissile or fissile-excepted 43 33 RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADE GASES AND NITROGEN MIXTURE, COMPRESSED 88 19 RARE GASES MIXTURE, COMPRESSED 88 19 ROX 02 00 ROX 02 03 REFRIGERANT GAS, N.O.S. 06 10	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	42	3333
fissile-excepted 42 33 RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE 42 33 RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted 42 22 RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted 42 23 RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted 42 33 RADIOACTIVE MATERIAL, TYPE C PACKAGE, Non fissile or fissile-excepted 43 33 RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted 46 29 RADE GASES AND NITROGEN MIXTURE, COMPRESSED 88 19 RARE GASES MIXTURE, COMPRESSED 88 19 ROX 02 00 ROX 02 03 REFRIGERANT GAS, N.O.S. 06 10	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or		
RADIOACTIVE MATERIAL, TYPE B (M) PACKAGE, non fissile or fissile-excepted4222RADIOACTIVE MATERIAL, TYPE B (U) PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE B (U) PACKAGE, non fissile or fissile-excepted4229RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE4233RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted4333RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE4629RARGS, OILY2318RARE GASES AND OXYGEN MIXTURE, COMPRESSED0819RARE GASES AND OXYGEN MIXTURE, COMPRESSED0200RDX020202RDX020203RDX020302RDX0204RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable0420RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a REFRIGERANT GAS R 120610REFRIGERANT GAS R 12810610REFRIGERANT GAS R 12810610REFRIGERANT GAS R 13810610REFRIGERANT GAS R 230432REFRIGERANT GAS R 400510REFRIGERANT GAS R 4110424REFRIGERANT GAS R 1150610REFRIGERANT GAS R 1160621REFRIGERANT GAS R 1160621REFRIGERANT GAS R 1240610		42	3332
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RARE GASES AND OXYGEN MIXTURE, COMPRESSED10RARE GASES MIXTURE, COMPRESSED08RDX02RCEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillableRCEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillableRCERTIGERANT GAS, N.O.S.06RCERTIGERANT GAS R 1206REFRIGERANT GAS R 1206REFRIGERANT GAS R 1206REFRIGERANT GAS R 1306REFRIGERANT GAS R 1404REFRIGERANT GAS R 4005REFRIGERANT GAS R 11407REFRIGERANT GAS R 11606REFRIGERANT GAS R 11606REFRIGERANT GAS R 12406	RAGS, OILY	23	1856
RARE GASES MIXTURE, COMPRESSED 08 19 RDX 02 00 RDX 02 03 RDX 02 04 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable 04 20 Red phosphorous 20 13 REFRIGERANT GAS, N.O.S. 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 10 REFRIGERANT GAS R 23 06 10 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10	RARE GASES AND NITROGEN MIXTURE, COMPRESSED	08	1981
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RDX 02 03 RDX 02 04 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable 04 20 Red phosphorous 20 13 REFRIGERANT GAS, N.O.S. 06 100 REFRIGERANT GAS R 12 06 100 REFRIGERANT GAS R 12B1 06 109 REFRIGERANT GAS R 13B1 06 100 REFRIGERANT GAS R 13B1 06 100 REFRIGERANT GAS R 13B1 06 100 REFRIGERANT GAS R 21 06 100 REFRIGERANT GAS R 22 06 100 REFRIGERANT GAS R 23 06 199 REFRIGERANT GAS R 32 04 322 REFRIGERANT GAS R 32 04 322 REFRIGERANT GAS R 40 05 100 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 199 REFRIGERANT GAS R 115 06 100 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 100	RARE GASES MIXTURE, COMPRESSED	08	1979
RDX 02 04 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable 04 20 Red phosphorous 20 13 REFRIGERANT GAS, N.O.S. 06 100 REFRIGERANT GAS R 12 06 100 REFRIGERANT GAS R 12 06 100 REFRIGERANT GAS R 12B1 06 19 REFRIGERANT GAS R 13B1 06 100 REFRIGERANT GAS R 13B1 06 100 REFRIGERANT GAS R 13B1 06 100 REFRIGERANT GAS R 21 06 100 REFRIGERANT GAS R 22 06 100 REFRIGERANT GAS R 22 06 100 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 114 04 24 REFRIGERANT GAS R 115 06 100 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 100	RDX	02	0072
RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable0420Red phosphorous2013REFRIGERANT GAS, N.O.S.0610REFRIGERANT GAS R 120610REFRIGERANT GAS R 12B10610REFRIGERANT GAS R 13B10610REFRIGERANT GAS R 13B10610REFRIGERANT GAS R 140619REFRIGERANT GAS R 220610REFRIGERANT GAS R 230610REFRIGERANT GAS R 320432REFRIGERANT GAS R 3410424REFRIGERANT GAS R 1140719REFRIGERANT GAS R 1150610REFRIGERANT GAS R 1160621REFRIGERANT GAS R 1240610	RDX	02	039
release device, non-refillable 04 20 Red phosphorous 20 13 REFRIGERANT GAS, N.O.S. 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 10 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10	RDX	02	0483
REFRIGERANT GAS, N.O.S. 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12B1 06 10 REFRIGERANT GAS R 13 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 21 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 23 06 10 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	04	2037
REFRIGERANT GAS, N.O.S. 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12B1 06 10 REFRIGERANT GAS R 13 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 21 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 23 06 10 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10	Red phosphorous	20	1338
REFRIGERANT GAS R 12 06 10 REFRIGERANT GAS R 12B1 06 19 REFRIGERANT GAS R 13 06 10 REFRIGERANT GAS R 13 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 21 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10		06	1078
REFRIGERANT GAS R 13 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 21 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10	REFRIGERANT GAS R 12	06	1028
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REFRIGERANT GAS R 13B1 06 10 REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 21 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10			1022
REFRIGERANT GAS R 14 06 19 REFRIGERANT GAS R 21 06 10 REFRIGERANT GAS R 22 06 10 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 23 06 19 REFRIGERANT GAS R 32 04 32 REFRIGERANT GAS R 40 05 10 REFRIGERANT GAS R 41 04 24 REFRIGERANT GAS R 114 07 19 REFRIGERANT GAS R 115 06 10 REFRIGERANT GAS R 116 06 21 REFRIGERANT GAS R 124 06 10			1009
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RESIN	15	286
RESIN SOLUTION, flammable	14	186
RESIN, SOLUTIONS, TOXIC	16	189
Resorcin	36	287
RESORCINOL	36	287
RIVETS, EXPLOSIVE	03	017
ROCKET MOTORS	02	018
ROCKET MOTORS	02	028
ROCKET MOTORS	02	028
ROCKET MOTORS, LIQUID FUELLED	02	039
ROCKET MOTORS, LIQUID FUELLED	02	039
ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	02	025
ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	02	032
ROCKETS with bursting charge	02	018
ROCKETS with bursting charge	02	018

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
ROCKETS with bursting charge	02	0182
ROCKETS with bursting charge	02	0295
ROCKETS with expelling charge	02	0436
ROCKETS with expelling charge	02	0437
ROCKETS with expelling charge	03	0438
ROCKETS with inert head	02	0183
ROCKETS with inert head	02	0502
ROCKETS, LINE-THROWING	02	0238
ROCKETS, LINE-THROWING	02	0240
ROCKETS, LINE-THROWING	03	0453
ROCKETS, LIQUID FUELLED with bursting charge	02	0397
ROCKETS, LIQUID FUELLED with bursting charge	02	0398
RODENTICIDES, N.O.S.	34	1681*
ROSIN OIL	14	1286
RUBBER SCRAP, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	20	1345
RUBBER SHODDY, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	20	1345
RUBBER SOLUTION	14	1287
RUBIDIUM	25	1423
RUBIDIUM HYDROXIDE	37	2678
RUBIDIUM HYDROXIDE SOLUTION	37	2677
Rubidium nitrate	31	1477
SA	05	2188
Saltpetre	31	1486
SAMPLES, EXPLOSIVE, other than initiating explosive	02	0190
Sand acid	37	1778
Sarin	36	2810
SEAT-BELT PRETENSIONERS	47	3268
SEED CAKE with more than 1.5% oil and not more than 11% moisture	23	1386
SEED CAKE with not more than 1.5% oil and not more than 11% moisture	23	2217
Seed expellers	23	1386
Seed expellers	23	2217
SELENATES	34	2630
SELENIC ACID	37	1905
SELENITES	34	2630
SELENIUM COMPOUND, LIQUID, N.O.S.	34	3440
SELENIUM COMPOUND, SOLID, N.O.S.	34	3283
SELENIUM DISULPHIDE	36	2657

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
SELENIUM HEXAFLUORIDE	07	2194
ELENIUM, METAL, POWDER, NON-PYROPHORIC	35	2658
SELENIUM OXYCHLORIDE	40	2879
ELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	23	3188
ELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	23	3185
ELF-HEATING LIQUID, INORGANIC, N.O.S.	23	3186
ELF-HEATING LIQUID, ORGANIC, N.O.S.	23	3183
ELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	23	318
ELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	23	3184
ELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	23	319
ELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	23	3120
ELF-HEATING SOLID, INORGANIC, N.O.S.	23	319
ELF-HEATING SOLID, ORGANIC, N.O.S.	23	3088
ELF-HEATING SOLID, OXIDIZING, N.O.S.	23	312
ELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	23	319
ELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	23	312
ELF-REACTIVE LIQUID TYPE B	21	322
ELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	22	323
ELF-REACTIVE LIQUID TYPE C	21	322
ELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	22	323
ELF-REACTIVE LIQUID TYPE D	21	322
ELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	22	323
ELF-REACTIVE LIQUID TYPE E	21	322
ELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	22	323
ELF-REACTIVE LIQUID TYPE F	21	322
ELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	22	323
ELF-REACTIVE SOLID TYPE B	21	322
ELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	22	323
ELF-REACTIVE SOLID TYPE C	21	3224
ELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	22	323
SELF-REACTIVE SOLID TYPE D	21	3220
ELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	22	3230
ELF-REACTIVE SOLID TYPE E	21	3228
ELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	22	3238
ELF-REACTIVE SOLID TYPE F	21	3230
ELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	22	3240
ELF-REACTIVE SUBSTANCES, SAMPLES, N.O.S.	21	3031
ELF-REACTIVE SUBSTANCES, TRIAL QUANTITIES, N.O.S.	21	3032
HALE OIL	14	1288

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Shaped charges	02	0059
Shaped charges	02	0439
Shaped charges	03	0440
Shaped charges	03	0441
SIGNAL DEVICES, HAND	03	0191
SIGNAL DEVICES, HAND	03	0373
SIGNALS, DISTRESS, ship	02	0194
SIGNALS, DISTRESS, ship	02	0195
SIGNALS, DISTRESS, ship	03	0505
SIGNALS, DISTRESS, ship	03	0506
Signals, distress, ship, water-activated	02	0249
SIGNALS, RAILWAY TRACK, EXPLOSIVE	02	0192
SIGNALS, RAILWAY TRACK, EXPLOSIVE	03	0193
SIGNALS, RAILWAY TRACK, EXPLOSIVE	02	0492
SIGNALS, RAILWAY TRACK, EXPLOSIVE	03	0493
SIGNALS, SMOKE	02	0196
SIGNALS, SMOKE	03	0197
SIGNALS, SMOKE	02	0313
SIGNALS, SMOKE	02	0487
SIGNALS, SMOKE	03	0507
SILANE	13D	2203
Silicofluoric acid	37	1778
Silicofluorides, n.o.s.	34	2856
Silicon chloride	40	1818
SILICON POWDER, AMORPHOUS	29	1346
SILICON TETRACHLORIDE	40	1818
SILICON TETRAFLUORIDE	07	1859
SILVER ARSENITE	34	1683
SILVER CYANIDE	34	1684
SILVER NITRATE	31	1493
SILVER PICRATE, WETTED with not less than 30% water, by mass	52	1347
SLUDGE ACID	36	1906
SODA LIME with more than 4% sodium hydroxide	37	1907
SODIUM	26	1428
Sodium aluminate, solid	37	2812
SODIUM ALUMINATE SOLUTION	37	1819
SODIUM ALUMINIUM HYDRIDE	26	2835
SODIUM AMALGAM	26	1424*
SODIUM AMIDE	27	1425*

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UI
SODIUM AMMONIUM VANADATE	37	286
SODIUM ARSANILATE	37	247
SODIUM ARSENATE	34	168
SODIUM ARSENITE, AQUEOUS SOLUTION	34	168
SODIUM ARSENITE, SOLID	34	202
SODIUM AZIDE	39	168
Sodium bifluoride	37	243
Sodium binoxide	28	150
Sodium bisulphite solution	37	269
SODIUM BOROHYDRIDE	26	142
SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	37	332
SODIUM BROMATE	31	149
SODIUM CACODYLATE	35	168
SODIUM CARBONATE PEROXYHYDRATE	31	337
SODIUM CHLORATE	31	149
SODIUM CHLORATE, AQUEOUS SOLUTION	31	242
Sodium chlorate mixed with dinitrotoluene	02	008
SODIUM CHLORITE	31	149
SODIUM CHLOROACETATE	34	265
SODIUM CUPROCYANIDE, SOLID	40	231
SODIUM CUPROCYANIDE SOLUTION	40	231
SODIUM CYANIDE, SOLID	40	168
SODIUM CYANIDE SOLUTION	40	341
SODIUM-2-DIAZO-1-NAPHTHOL-4-SULPHONATE	21	304
SODIUM-2-DIAZO-1-NAPHTHOL-5-SULPHONATE	21	304
Sodium dicyanocuprate (I), solid	40	231
Sodium dicyanosuprate (I) solution	40	231
Sodium dimethylarsenate	35	168
SODIUM DINITRO-o-CRESOLATE, dry or wetted with less than 15% water, by mass	02	023
SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 15% water, by mass	52	134
SODIUM DINITRO-o-CRESOLATE, WETTED, with not less than 10% water by mass	52	336
Sodium dioxide	28	150
SODIUM DITHIONITE (SODIUM HYDROSULPHITE)	25	138
SODIUM FLUORIDE, SOLID	37	169
SODIUM FLUORIDE SOLUTION	37	341
SODIUM FLUOROACETATE	34	262
SODIUM FLUOROSILICATE	37	267
Sodium hexafluorosilicate	37	267

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
Sodium hydrate	37	182
SODIUM HYDRIDE	26	142
Sodium hydrogen 4-amino-phenylarsenate	37	247
SODIUM HYDROGEN DIFLUORIDE	37	243
SODIUM HYDROSULPHIDE with less than 25% water of crystallization	23	231
SODIUM HYDROSULPHIDE HYDRATED with not less than 25% water of crystallization	37	294
SODIUM HYDROSULPHITE	25	138
SODIUM HYDROXIDE, SOLID	37	182
SODIUM HYDROXIDE SOLUTION	37	182
SODIUM HYDROXIDE, SULPHATE	37	182
Sodium hypochlorite	37	179
Sodium metasilicate pentahydrate	37	325
SODIUM METHYLATE	25	143
SODIUM METHYLATE SOLUTION in alcohol	19	128
SODIUM MONOXIDE	40	182
SODIUM NITRATE	31	149
SODIUM NITRATE and POTASH	31	147
SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	31	149
SODIUM NITRITE	31	150
Sodium nitrite and potassium nitrate mixture	31	148
SODIUM PENTACHLOROPHENATE	37	250
SODIUM PERBORATE MONOHYDRATE	31	337
SODIUM PERCARBONATE	31	246
SODIUM PERCHLORATE	31	150
SODIUM PERMANGANATE	31	150
SODIUM PEROXIDE	28	150
SODIUM PEROXOBORATE, ANHYDROUS	31	324
SODIUM PERSULPHATE	31	150
SODIUM PHENOLATE	37	249
SODIUM PHOSPHIDE	27	143
SODIUM PICRAMATE, dry or wetted with less than 20% water, by mass	02	023
SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	52	134
Sodium potassium alloys	26	142
Sodium potassium alloys	26	340
SODIUM SALTS OF NITRO AROMATIC DERIVATIVES	02	020
Sodium selenate	34	263
Sodium selenite	34	263
Sodium silicofluoride	37	267

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
SODIUM SULPHIDE, ANHYDROUS	23	1385
SODIUM SULPHIDE, HYDRATED with not less than 30% water	38	1849
SODIUM SULPHIDE with less than 30% water of crystallization	23	1385
SODIUM SUPEROXIDE	28	2547
SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	37	3244
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	20	3175
SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	34	3243
Solvents, flammable, n.o.s.	14	1993
Solvents, flammable, toxic, n.o.s.	16	1992
Soman	36	2810
SOUNDING DEVICES, EXPLOSIVE	02	0204
SOUNDING DEVICES, EXPLOSIVE	02	0296
SOUNDING DEVICES, EXPLOSIVE	02	0374
SOUNDING DEVICES, EXPLOSIVE	02	0375
SQUIBS	03	0206
Squibs	03	0325
SQUIBS	03	0422
SQUIBS	03	0423
Squibs	03	0454
STAINS (Aust.)	14	1263
STAINS (Aust.)	36	3066
STANNIC CHLORIDE, ANHYDROUS	40	1827
STANNIC CHLORIDE PENTAHYDRATE	37	2440
STANNIC PHOSPHIDES	27	1433
Steel swarf	29	2793
STIBINE	05	2676
STRAW	20	1327
STRONTIUM ALLOYS, NON-PYROPHORIC	26	1434
Strontium alloys, pyrophoric	23	1383
STRONTIUM ARSENITE	34	1691
STRONTIUM CHLORATE	31	1506
Strontium dioxide	31	1509
STRONTIUM NITRATE	31	1507
STRONTIUM PERCHLORATE	31	1508
STRONTIUM PEROXIDE	31	1509
STRONTIUM PHOSPHIDE	27	2013
STRYCHNINE	34	1692
STRYCHNINE SALTS	34	1692
STYPHNIC ACID	02	0219

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
STYPHNIC ACID	02	0394
STYRENE MONOMER, STABILIZED	19P	2055
SUBSTANCES, EVI, N.O.S.	02	0482
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0357
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0358
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0359
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0473
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0474
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0475
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0476
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0477
SUBSTANCES, EXPLOSIVE, N.O.S.	02	0478
SUBSTANCES, EXPLOSIVE, N.O.S.	03	0479
SUBSTANCES, EXPLOSIVE, N.O.S.	03	0480
SUBSTANCES, EXPLOSIVE, N.O.S.	03	0481
SUBSTANCES, EXPLOSIVE, N.O.S.	03	0485
SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE, N.O.S.	02	0482
Substances liable to spontaneous combustion, n.o.s.	23	2845
Substances liable to spontaneous combustion, n.o.s.	23	2846
Substances liable to spontaneous combustion, n.o.s.	23	3194
Substances liable to spontaneous combustion, n.o.s.	23	3200
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	18	2780
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	36	3014
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	19	3013
SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	36	2779
SULPHAMIC ACID	37	2967
SULPHUR	20	1350
SULPHUR CHLORIDES	39	1828
Sulphur dichloride	39	1828
SULPHUR DIOXIDE	07	1079
SULPHUR HEXAFLUORIDE	06	1080
SULPHURIC ACID with more than 51% acid	40	1830
SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID	37	2796
SULPHURIC ACID, FUMING	40	1831
SULPHURIC ACID, SPENT	40	1832
Sulphuric and hydrofluoric acid mixture	40	1786
SULPHUR, MOLTEN	20	2448

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Suphur monochloride	39	1828
SULPHUROUS ACID	37	1833
SULPHUR TETRAFLUORIDE	07	2418
SULPHUR TRIOXIDE, STABILIZED	40	1829
SULPHURYL CHLORIDE	40	1834
SULPHURYL FLUORIDE	07	219
Fabun	36	2810
Falcum with tremolite and/or actinolite	47	2590
FARS, LIQUID, including road asphalt and oils, bitumen and cut backs	16	1999
Fartar emetic	34	155
EAR GAS CANDLES	36	1700
Fear gas grenades	36	1700
FEAR GAS SUBSTANCE, LIQUID, N.O.S.	36	1693
FEAR GAS SUBSTANCE, SOLID, N.O.S.	36	3448
FELLURIUM COMPOUND, N.O.S.	34	3284
TELLURIUM HEXAFLUORIDE	07	219
ERPENE HYDROCARBONS, N.O.S.	15	2319
ERPINOLENE	15	254
ETRABROMOETHANE	34	2504
I,1,2,2-TETRACHLOROETHANE	34	170
TETRACHLOROETHYLENE	37	189
ETRAETHYL DITHIOPYROPHOSPHATE	36	1704
IETRAETHYL DITHIOPYROPHOSPHATE AND GASES, INCLUDING SOLUTIONS or MIXTURES	07	1703
TETRAETHYLENEPENTAMINE	36	2320
Tetraethyl lead	16D	1649
TETRAETHYL PYROPHOSPHATE AND GAS MIXTURES, COMPRESSED	07	1705
TETRAETHYL SILICATE	19	129
Tetraethoxysilane	19	129
- Tetrafluorodichloroethane	19	129
I,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)	06	3159
TETRAFLUOROETHYLENE, STABILIZED	04P	108
ETRAFLUOROMETHANE, (REFRIGERANT GAS R 14)	06	198
,2,3,6-TETRAHYDROBENZALDEHYDE	19	2498
TETRAHYDROFURAN	14D	205
TETRAHYDROFURFURYLAMINE	17	2943
Fetrahydro-1,4-oxazine	19	2054
ETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05% of maleic anhydride	39	2698
I,2,3,6-TETRAHYDROPYRIDINE	18	2410

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
TETRAHYDROTHIOPHENE	16	2412
TETRALIN HYDROPEROXIDE	32	2136*
Tetramethoxysilane	38	2606
TETRAMETHYLAMMONIUM HYDROXIDE, SOLUTION	36	1835
TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	36	3423
1,1,3,3-TETRAMETHYLBUTYL HYDROPEROXIDE	32	2160*
1,1,3,3-TETRAMETHYLBUTYL PEROXY-2-ETHYLHEXANOATE	33	2161*
Tetramethylene	04	2601
Tetramethylene cyanide	36	2205
Tetramethyl lead	16D	1649
TETRAMETHYLSILANE	16	2749
TETRANITROANILINE	02	0207
TETRANITROMETHANE	31	1510
TETRAPROPYL ORTHOTITANATE	38	2413
TETRAZENE, WETTED	02	0114
TETRAZOL-1-ACETIC ACID	03	0407
1H-TETRAZOLE	02	0504
TETRYL	02	0208
TEXTILE WASTE, WET	23	1857
THALLIUM CHLORATE	31	2573
Thallium (I) chlorate	31	2573
THALLIUM COMPOUND, N.O.S.	34	1707
THALLIUM NITRATE	31	2727
Thallium (I) nitrate	31	2727
Thallous chlorate	31	2573
4-THIAPENTANAL	19	2785
Thia-4-pentanal	19	2785
Thickened GD	36	2810
THINNERS	14	1263
THINNERS	36	3066
THIOACETIC ACID	18	2436
THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°	C 16	2772
THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	34	3006
THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	3005
THIOCARBAMATE PESTICIDE, SOLID, TOXIC	34	2771
THIOGLYCOL	36	2966
THIOGLYCOLIC ACID	36	1940
THIOLACTIC ACID	36	2936

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
THIONYL CHLORIDE	40	1830
THIOPHENE	16	241
Thiophenol	16	233
THIOPHOSGENE	40	247
THIOPHOSPHORYL CHLORIDE	40	183
THIOUREA	36	2877
THIOUREA DIOXIDE	25	334
THORIUM METAL, PYROPHORIC	45	2975
THORIUM NITRATE, SOLID	44	2976
Tin (IV) chloride, anhydrous	40	182
Tin (IV) chloride pentahydrate	37	244
TINCTURES, MEDICINAL	14	129
Tin tetrachloride	40	182
TITANIUM DISULPHIDE	23	317
TITANIUM HYDRIDE	29	187
TITANIUM POWDER, DRY	25	254
TITANIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced particle size less than 840 microns	29	135
TITANIUM SPONGE GRANULES	29	287
TITANIUM SPONGE POWDERS	29	287
Titanium sulphate, solution	37	176
TITANIUM TETRACHLORIDE	40	183
TITANIUM TRICHLORIDE MIXTURE	40	286
TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	25	244
TITANIUM TRICHLORIDE, PYROPHORIC	25	244
TNT	02	020
TNT	02	038
TNT	02	038
TNT, WETTED	52	135
TNT, WETTED	52	336
TNT mixed with aluminium	02	039
Toe puffs, nitrocellulose base	20	135
TOLUENE	16	129
TOLUENE DIISOCYANATE	39	207
TOLUIDINES, LIQUID	36	170
TOLUIDINES, SOLID	36	345
Toluol	16	129
2,4-TOLUYLENEDIAMINE, SOLID	36	1709

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
2.4-TOLUYLENEDIAMINE SOLUTION	36	3418
Toluylene diisocyanate	39	2078
Tolylene diisocyanate	39	2078
Tolylethylene, inhibited	17P	2618
TORPEDOES with bursting charge	02	0329
TORPEDOES with bursting charge	02	0330
TORPEDOES with bursting charge	02	0451
TORPEDOES, LIQUID FUELLED with inert head	02	0450
TORPEDOES, LIQUID FUELLED with or without bursting charge	02	0449
TOXIC BY INHALATION LIQUID, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	34	3381
TOXIC BY INHALATION LIQUID, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	34	3382
TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	37	3389
TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	37	3390
TOXIC BY INHALATION LIQUID, CORROSIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	36	3492†
TOXIC BY INHALATION LIQUID, CORROSIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	36	3493†
TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	35	3383
TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	35	3384
TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	36	3488†
TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 1000 mI/m ³ and saturated vapour concentration greater than or equal to 10 LC50	36	3489†
TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	34	3387
TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	34	3388

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	U
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	40	338
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	40	3380
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC50	39	3490 [.]
FOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC50	39	3491 [.]
TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	39	3289
OXIC LIQUID, CORROSIVE, INCHGANIC, N.O.S.	36	292
OXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	17	292
OXIC LIQUID, INORGANIC, N.O.S.	34	328
OXIC LIQUID, ORGANIC, N.O.S.	36	281
OXIC LIQUID, OXIDIZING, N.O.S.	31	312
OXIC LIQUID, WATER-REACTIVE, N.O.S.	26	312
OXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	37	329
OXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	36	292
OXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	20	293
OXIC SOLID, INORGANIC, N.O.S.	34	328
OXIC SOLID, ORGANIC, N.O.S.	36	281
OXIC SOLID, OXIDIZING, N.O.S.	31	308
OXIC SOLID, SELF-HEATING, N.O.S.	23	312
OXIC SOLID, WATER-REACTIVE, N.O.S.	26	312
OXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	36	317
OXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	36	346
RACERS FOR AMMUNITION	02	021
RACERS FOR AMMUNITION	03	030
remolite	47	259
RIALLYLAMINE	19	261
RIALLYL BORATE	39	260
RIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint less than 23°C	16	276
RIAZINE PESTICIDE, LIQUID, TOXIC	34	299
RIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	17	299
RIAZINE PESTICIDE, SOLID, TOXIC	34	276
īribromoborane	40	269
RIBUTYLAMINE	36	254
TRIBUTYLPHOSPHANE	25	3254

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
Trichloroacetaldehyde	36	2075
TRICHLOROACETIC ACID	36	1839
TRICHLOROACETIC ACID SOLUTION	36	2564
Trichloroaceticaldehyde	36	2075
TRICHLOROACETYL CHLORIDE	39	2442
TRICHLOROBENZENES, LIQUID	36	2321
TRICHLOROBUTENE	35	2322
1,1,1-TRICHLOROETHANE	34	2831
TRICHLOROETHYLENE	37	1710
TRICHLOROISOCYANURIC ACID, DRY	31	2468
Trichloronitromethane	37D	1580
TRICHLOROSILANE	27	1295
1,3,5-Trichloro-s-triazine-2,4,6-trione	31	2468
2,4,6-Trichloro-1,3,5-triazine	40	2670
TRICRESYL PHOSPHATE with more than 3% ortho isomer	34	2574
TRIETHYLAMINE	18	1296
Triethyl borate	38	1176
TRIETHYLENE DIAMINE	36	2675*
TRIETHYLENETETRAMINE	36	2259
Triethyl orthoformate	19	2524
TRIETHYL PHOSPHITE	39	2323
TRIFLUOROACETIC ACID	37	2699
TRIFLUOROACETYL CHLORIDE	07	3057
Trifluorobromomethane	06	1009
Trifluorochloroethane	06	1983
TRIFLUOROCHLOROETHYLENE, STABILIZED	04P	1082
Trifluorochloromethane	06	1022
1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	06	2035
TRIFLUOROMETHANE (REFRIGERANT GAS R 23)	06	1984
TRIFLUOROMETHANE, REFRIGERATED LIQUID	06	3136
2-TRIFLUOROMETHYLANILINE	36	2942
3-TRIFLUOROMETHYLANILINE	36	2948
TRI-iso-BUTYL ALUMINIUM	25	1930*
TRIISOBUTYLENE	15	2324
TRIISOCYANATOISOCYANURATE OF ISOPHORONEDIISOCYANATE, SOLUTION	15	2906*
TRIISOPROPYL BORATE	15	2616
TRIMETHYLACETYL CHLORIDE	38	2438
TRIMETHYLAMINE, ANHYDROUS	05	1083
TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	ss 19	1297

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
1,3,5-TRIMETHYLBENZENE	17	2325
TRIMETHYL BORATE	38	2416
TRIMETHYLCHLOROSILANE	25	1298
TRIMETHYLCYCLOHEXYLAMINE	36	2326
Trimethylene chlorobromide	34	2688
TRIMETHYLHEXAMETHYLENEDIAMINES	36	2327
TRIMETHYLHEXAMETHYLENE DIISOCYANATE	39	2328
2,4,4-Trimethylpentene-1	14	2050
2,4,4-Trimethylpentene-2	14	2050
2,4,4-TRIMETHYLPENTYL-2-PEROXY PHENOXY ACETATE	33	2961
TRIMETHYL PHOSPHITE	27	2329
TRINITROANILINE (PICRAMIDE)	02	0153
TRINITROANISOLE	02	0213
TRINITROBENZENE, dry or wetted with less than 30% water, by mass	02	0214
TRINITROBENZENE, WETTED with not less than 10% water by mass	52	3367
TRINITROBENZENE, WETTED with not less than 30% water, by mass	52	1354
TRINITROBENZENESULPHONIC ACID	02	0386
TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass	02	0215
TRINITROBENZOIC ACID, WETTED with not less than 10% water by mass	52	3368
TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass	52	1355
TRINITROCHLOROBENZENE (PICRYL CHLORIDE)	02	0155
TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED with not less than 10% water by mass	52	3365
TRINITRO-m-CRESOL	02	0216
TRINITROFLUORENONE	02	0387
TRINITRONAPHTHALENE	02	0217
TRINITROPHENETOLE	02	0218
TRINITROPHENOL (PICRIC ACID), dry or wetted with less than 30% water, by mass	02	0154
TRINITROPHENOL (PICRIC ACID), WETTED with not less than 10% water by mass	52	3364
TRINITROPHENOL (PICRIC ACID), WETTED with not less than 30% water, by mass	52	1344
TRINITROPHENYLMETHYLNITRAMINE (TETRYL)	02	0208
TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	02	0219
TRINITRORESORCINOL (STYPHNIC ACID), WETTED with not less than 20% water, or mixture of water and alcohol, by mass	02	0394
TRINITROTOLUENE (TNT), dry or wetted with less than 30% water, by mass	02	0209
TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE	02	0388
TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE	02	0388
TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	02	0389

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
TRINITROTOLUENE (TNT), WETTED with not less than 10% water by mass	52	3366
TRINITROTOLUENE (TNT), WETTED with not less than 30% water, by mass	52	1356
TRIPROPYL ALUMINIUM	25	2718
TRIPROPYLAMINE	19	2260
TRIPROPYLENE	14	205
TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	35	250
TRITONAL	02	0390
Tropilidene	17	2603
TUNGSTEN HEXAFLUORIDE	07	219
TURPENTINE	15	1299
TURPENTINE SUBSTITUTE	14	130
UNDECANE	15	233
URANIUM METAL, PYROPHORIC	45	2979
URANYL NITRATE HEXAHYDRATE SOLUTION	42	2980
URANYL NITRATE, SOLID	44	298
UREA HYDROGEN PEROXIDE	31	151
UREA NITRATE, dry or wetted with less than 20% water, by mass	02	022
UREA NITRATE, WETTED with not less than 20% water, by mass	52	135
UREA NITRATE, WETTED with not less than 10% water by mass	52	337
Valeral	18	205
VALERALDEHYDE	18	205
n-Valeraldehyde	18	205
Valeric anhydride	18	205
VALERYL CHLORIDE	38	250
VANADIUM COMPOUND, N.O.S.	34	328
VANADIUM COMPOUNDS, N.O.S.	34	257
Vanadium (IV) oxide sulphate	34	293
/anadium oxysulphate	34	293
VANADIUM OXYTRICHLORIDE	40	244
/ANADIUM PENTOXIDE, non-fused form	34	286
VANADIUM TETRACHLORIDE	40	244
/ANADIUM TRICHLORIDE	40	247
/ANADIUM TRIOXIDE	37	286
/ANADYL SULPHATE	34	293
/ARNISH	14	126
VARNISH	36	306
/ARNISH (Aust)	14	126
VARNISH (Aust)	36	306
VEHICLE, FLAMMABLE GAS POWERED	14	316

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
VEHICLE, FLAMMABLE LIQUID POWERED	14	3166
VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED	14	3166
VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED	14	3166
Villaumite	19P	205
VINYL ACETATE, STABILIZED	18P	130
/inylbenzene	19P	205
VINYL BROMIDE, STABILIZED	04P	108
/INYL BUTYRATE, STABILIZED	18P	283
/INYL CHLORIDE, STABILIZED	04P	108
/INYL CHLOROACETATE	39	258
/INYL ETHYL ETHER, STABILIZED	14P	130
/INYL FLUORIDE, STABILIZED	04P	186
/INYLIDENE CHLORIDE, STABILIZED	18P	130
VINYL ISOBUTYL ETHER, STABILIZED	14P	130
VINYL METHYL ETHER, STABILIZED	04P	108
/INYLPYRIDINES, STABILIZED	18P	307
VINYLTOLUENES, STABILIZED	17P	261
/INYLTRICHLOROSILANE, STABILIZED	25D	130
/X	36	281
Narheads for guided missiles	02	028
Narheads for guided missiles	02	036
Narheads for guided missiles	02	028
Narheads for guided missiles	03	037
Warheads for guided missiles	03	037
WARHEADS, ROCKET with burster or expelling charge	02	037
NARHEADS, ROCKET with burster or expelling charge	02	037
WARHEADS, ROCKET with bursting charge	02	028
WARHEADS, ROCKET with bursting charge	03	028
NARHEADS, ROCKET with bursting charge	03	036
NARHEADS, TORPEDO with bursting charge	02	022
NATER-REACTIVE LIQUID, N.O.S.	26	314
NATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	26	312
NATER-REACTIVE LIQUID, TOXIC, N.O.S.	26	313
NATER-REACTIVE SOLID, N.O.S.	26	281
NATER-REACTIVE SOLID, CORROSIVE, N.O.S.	26	313
NATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	26	313
WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	26	313
WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	26	313
WATER-REACTIVE SOLID, TOXIC, N.O.S.	26	313

PROPER SHIPPING NAME – TECHNICAL NAME	GUIDE	UN
White arsenic	34	156
WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)	47	2590
White phosphorus, dry or in solution	24	138
White spirit	14	1300
WOOD PRESERVATIVES, LIQUID	18	1306
WOOL WASTE, WET	23	138
XANTHATES	25	334
XENON	08	2030
XENON, REFRIGERATED LIQUID	08	259
XYLENES	16	130
XYLENOLS, SOLID	36	226
XYLENOLS, LIQUID	36	343
XYLIDINES, LIQUID	37	171
XYLIDINES, SOLID	37	345
Xylols -	16	130
XYLYL BROMIDE, LIQUID	35	170
KYLYL BROMIDE, SOLID	35	341
Yellow phosphorus, dry or in solution	24	138
ZINC AMMONIUM NITRITE	31	151
ZINC ARSENATE	34	171
ZINC ARSENITE AND ZINC ARSENITE MIXTURE	34	171
ZINC ARSENITE	34	171
ZINC ASHES	26	143
Zinc bisulphite solution	37	269
ZINC BROMATE	31	246
ZINC CHLORATE	31	151
ZINC CHLORIDE, ANHYDROUS	37	233
ZINC CHLORIDE SOLUTION	37	184
ZINC CYANIDE	34	171
ZINC DITHIONITE (ZINC HYDROSULPHITE)	25	193
ZINC DUST	26	143
ZINC FLUOROSILICATE	37	285
Zinc hexafluorosilicate	37	285
ZINC HYDROSULPHITE	25	193
ZINC NITRATE	31	151
ZINC PERMANGANATE	31	151
ZINC PEROXIDE	31	151
ZINC PHOSPHIDE	27	171
ZINC POWDER	26	143

PROPER SHIPPING NAME – TECHNICAL NAME		UN
ZINC RESINATE	20	2714
Zinc selenate	34	2630
Zinc selenite	34	2630
Zinc silicofluoride	37	2855
ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	29	2858
ZIRCONIUM, DRY, finished sheets, strip or coiled wire	25	2009
ZIRCONIUM HYDRIDE	29	1437
ZIRCONIUM NITRATE	31	2728
ZIRCONIUM PICRAMATE, dry or wetted with less than 20% water, by mass	02	0236
ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	52	1517
ZIRCONIUM POWDER, DRY	25	2008
ZIRCONIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particles size less than		
53 microns; (b) chemically produced particle size less than 840 microns	29	1358
ZIRCONIUM SCRAP	25	1932
ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	14	1308
ZIRCONIUM TETRACHLORIDE	40	2503

NOTES

13. GUIDES

GUIDE 00 VEHICLE FIRE

TO BE USED ONLY IF A FIRE BREAKS OUT IN THE VEHICLE ITSELF OR IN ANY NON-DANGEROUS GOODS IN THE LOAD		
HAZARDS		
Fire or explosion	• Fire may produce irritating, toxic, or corrosive gases.	
Health	Runoff from fire control water may pollute waterways.Burning upholstery may emit toxic fumes.	
PUBLIC SAF	ETY	
	Eliminate all ignition sources.Keep unauthorised personnel away.Keep upwind and to higher ground.	
Evacuation	 Consider initial evacuation of areas within 200 m in all directions. If unable to control fire, evacuate immediate area. Keep upwind and to higher ground. Contact police or fire brigade (SEE INSIDE BACK COVER). Warn other traffic. Separate prime mover if safe to do so. 	
EMERGENC	Y RESPONSE	
Engine fire	 Shut off engine and any electrical equipment and leave off. Use fire extinguisher provided in vehicle. Direct contents through any available opening, without raising the bonnet if possible. If necessary, extinguish the fire with sand, earth or large amounts of water. 	
Cabin fire	 Shut off engine and any electrical equipment and leave off. Remove burning materials if safe to do so. Use fire extinguisher provided in vehicle. If necessary, extinguish fire with sand, earth or large amounts of water. 	

GUIDE 00	VEHICLE FIRE
Tray fire	 Shut off engine and any electrical equipment and leave off. Refer to the guide for the substances involved. Use fire extinguisher provided in vehicle. If necessary, extinguish fire with sand, earth or large amounts of water. If safe to do so, move undamaged containers or packages from fire area. Cool containers with flooding quantities of water until well after fire is out.
Tyre fire	 Stop vehicle – assess fire in relation to load and its hazards. Flood tyre with plenty of water – if water is not available, use fire extinguisher provided in vehicle, earth or sand. If safe to do so, change tyre and place it at least 15 m from vehicle in an area away from combustible materials: tyre may reignite – stand by with an extinguisher ready. If tyre cannot be removed, or fire cannot be extinguished, and if safe to do so, separate the prime mover from the trailer/s and move to a safe place nearby.
Brake overheating	 Stop vehicle. Assess fire, if any, in relation to load and its hazards. Allow brake to cool. Use extinguisher or water only if there is a fire or immediate danger of fire. Do not drive vehicle until the brakes have been inspected by a competent person and, if necessary, repaired.
First aid	 Remove victim to fresh air. Apply resuscitation if victim is not breathing – administer oxygen if breathing is difficult. Keep victim warm and quiet. Obtain immediate medical care.

GUIDE 01 UNIDENTIFIED PACKAGE OR CARGO

TO BE USED ONLY IF THE SUBSTANCES ARE SUSPECTED OF BEING DANGEROUS GOODS AND CANNOT BE IDENTIFIED BY SHIPPING NAME, UN NUMBER, LABEL OR PLACARD, OR FROM INFORMATION FROM THE CARRIER

HAZARDS	
Fire or explosion	 May explode from heat, shock, friction or contamination. May react vigorously or explosively with air, water or foam. May ignite when exposed to air – May be ignited by friction, heat, sparks or flames. Vapours may travel to source of ignition and flash back. Containers may explode when heated – ruptured cylinders may rocket. Fire or contact with water may produce irritating, toxic, and/or corrosive gases.
Health	 Inhalation, ingestion or contact with substance may cause severe injury, irritation, infection, disease or death. High concentration of gas may cause asphyxiation without warning. Contact of vapour or substance with eyes may cause blindness within minutes. Runoff from fire control water may pollute waterways.
THUILGIIV	
	Wear SCBA and chemical splash suit.Structural firefighter's uniform will provide limited protection.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER) OR TRANSPORT COMPANY. Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Eliminate all ignition sources.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including road and rail tankers) are involved in a spill or fire, consider initial evacuation of areas within 500 m in all directions.

GUIDE 01 UNIDENTIFIED PACKAGE OR CARGO

EMERGENCY RESPONSE

Fire	 DO NOT USE WATER OR FOAM UNLESS ADVISED TO DO SO. When a large quantity of this material is involved in a major fire, and water has to be used, evacuate for at least 250 m. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) in immediate area – All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled material. AVOID GETTING WATER INSIDE CONTAINERS. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds. Prevent entry into waterways, drains, basements or confined areas. Call for assistance on handling and disposal.
First aid	 Remove victim to fresh air. Apply resuscitation if victim is not breathing – Do not use direct mouth- to-mouth method if victim ingested or inhaled substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Shower and wash with soap and water. Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Obtain immediate medical care.

GUIDE 02 **EXPLOSIVE SUBSTANCES*** DIVISIONS 1.1. 1.2. 1.3. 1.5 OR 1.6 HAZARDS Fire or When subjected to heat, shock or friction, explosives of Division – 1.1 or 1.5 will burn and may detonate IN A MASS EXPLOSION at any time; explosion 1.2 may burn and may detonate with PROJECTION of fragments: 1.3 may burn VIOLENTLY: and 1.6 demonstrate a negligible probability of accidental initiation or propagation. The risk is limited to a single article. • Products of other Classes covered by Guide 02 should be considered to behave similarly to a Division 1.1 explosive unless advised differently by a specialist. Fire may produce irritating, toxic, and/or corrosive gases. ٠ Health These substances may be toxic and corrosive. **PROTECTIVE CLOTHING**

• For fires structural firefighting uniform and SCBA is required.

PUBLIC SAFETY

Evacuation

- IIMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER).
- In Australia, tell them 'Security Sensitive Explosive substances are involved in the incident'.
- Hazard area initial minimum evacuation distances in all directions:

Net Explosive Quantity (NEQ)	Division 1.1, 1.2, 1.5	Division 1.3	Division 1.6
Up to 1,000 kg	400 m	100 m	400 m
1,000 – 5,000 kg	600 m	200 m	400 m
5,000 – 20,000 kg	800 m	300 m	400 m
Over 20,000 kg	1,000 m	400 m	400 m

- Use terrain or buildings for shielding.
- Stay clear of windows.

* Compatibility Groups

- A, B Substances and articles that are expected to explode or detonate in a mass explosion very soon after fire reaches them
- C, J Substances and articles that are readily ignited and burn violently without necessarily exploding
- D, E, F Substances and articles that may explode in a mass explosion accompanied by a blast and fragmentation hazard, but may be exposed to fire for some time before exploding *(continued on opposite page)*

GUIDE 02	EXPLOSIVE SUBSTANCES* Divisions 1.1, 1.2, 1.3, 1.5 or 1.6
EMERGENCY	(RESPONSE
Fire	 Cargo fires Do not fight fire when fire reaches cargo! Cargo may EXPLODE! Stop all traffic and clear the area for at least 1600 m in all directions and let burn. Do not move cargo or vehicle if cargo has been exposed to heat. Vehicle or equipment fires – See Guide 00. If unable to control fire, treat as a cargo fire. Separate prime mover from trailer if safe to do so.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 20 m. All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Do not touch damaged containers, packages or spilled material unless wearing appropriate protective clothing. DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 m OF ELECTRIC DETONATORS. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. KEEP 'WETTED' PRODUCT WET BY SLOWLY ADDING WATER. Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.
	 * Compatibility Groups (continued) G, H Substances that burn fiercely with no mass explosion hazard and give off dense smoke with, in some instances, toxic effects K Articles containing explosive and toxic materials L Substances and articles that present a special risk and could be activated by air (pyrophoric) or water N Articles that contain only extremely insensitive detonating substances and that demonstrate a negligible probability of accidental inflation or explosion

GUIDE 03 **EXPLOSIVE SUBSTANCES* DIVISION 1.4** HAZARDS Fire or When subjected to heat, shock or friction, explosives of Division 1.4 may burn vigorously with localized explosions and projection of fragments: risks are explosion limited to the immediate vicinity. The effects of accidentally initiating packaged explosives of Division 1.4S are confined to the immediate vicinity of the package. Fire may produce irritating, toxic or corrosive gases. Health • **PROTECTIVE CLOTHING** For fires structural firefighting uniform and SCBA is required.

PUBLIC SAFETY

Evacuation

- IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER).
- In Australia, tell them 'Security Sensitive Explosive substances are involved in the incident'.
- If fire or heat threatens cargo area of explosives of Division 1.4, consider initial evacuation of areas within 100 m in all directions.

* Compatibility Groups

- B Substances that are expected to explode or detonate in a mass explosion very soon after fire reaches them.
- C Substances that are readily ignited and burn violently without necessarily exploding.
- D, E, F Substances that may explode in a mass explosion accompanied by a blast and fragment hazard, but may be exposed to fire for some time before exploding.
- G Substances that burn fiercely with no mass explosion hazard and give off dense smoke with, in some instances, toxic effects.
- S Packaged substances that, if accidentally initiated, produce effects that are confined to the immediate vicinity.

GUIDE 03 EXPLOSIVE SUBSTANCES* DIVISION 1.4

EMERGENCY RESPONSE Fire **Cargo fires** Fight fire from sheltered position or use unmanned hose holders or monitor nozzles. For explosives of Divisions 1.4S, fight fire with normal precautions from . reasonable distance to protect personnel. **Do not** move cargo if cargo has been exposed to heat. ٠ This material may cause explosion and fragmentation hazards. . Vehicle and equipment fires - see Guide 00. . If unable to control fire, treat as cargo fire. . Separate prime mover from trailer if safe to do so. • Spill or leak ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at ٠ least 20 m. All equipment used when handling the product must be earthed. . Do not touch or walk through spilled material. . Do not touch damaged containers, packages or spilled material unless wearing . appropriate protective clothing. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. . **First aid** Obtain immediate medical care – Ensure that attending medical personnel . are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. Remove contaminated clothing and shoes immediately. ٠ In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.

GUIDE 04	GASES – FLAMMABLE Compressed, liquefied or deeply refrigerated (cryogenic)
HAZARDS	
Fire or explosion	 HIGHLY FLAMMABLE: will be easily ignited by heat, sparks or flames. Will form explosive mixtures with air. Vapours from liquefied gas are usually heavier than air. Vapours may travel to source of ignition and flash back. Containers may explode when heated – Ruptured cylinders may rocket. Fire may produce irritating, toxic, and/or corrosive gases. May decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 High concentration of gas may cause asphyxiation without warning. Some are irritating or toxic in high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
PROTECTIV	E CLOTHING
	 Wear SCBA and structural firefighting uniform when handling leaking or damaged cylinders and equipment. Structural firefighter's uniform will provide limited protection. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment. Fully encapsulating gas-tight suit does not provide significant protection against radiant and convective heat.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 100 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial evacuation of areas within at least 800 m in all directions. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1500 m in all directions.

	Compressed, liquefied or deeply refrigerated (cryogenic)
EMERGENCY	1
Fire	 DO NOT EXTINGUISH BURNING GAS UNLESS LEAK CAN BE STOPPED. CUT OFF SOURCE OF GAS IF SAFE TO DO SO – IF NOT POSSIBLE, LEAVE GAS TO BURN, PROTECT EXPOSURES, COOL CONTAINERS. If safe to do so, move undamaged containers from fire area. Extinguish secondary fire. Small fire Use dry chemical, CO₂ or water spray to extinguish burning gas if absolutely necessary and safe to do so. Do not use water jets. Large fire Cool container by directing flooding quantities of water onto upper surface until well after fire is out – Do not direct water at source of leak or venting safety devices as icing may occur. Cool container and fight secondary fire from protected position or use unmanned hose holders or monitor nozzles – When impossible, withdraw immediately from hazard area and let burn. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank – tank may explode. ALWAYS stay away from tank ends. Damaged container should only be handled following expert advice.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 200 m –All equipment used when handling the product must be earthed. Prevent spreading of vapours through drains and ventilation systems. Ventilate the area. Do not touch or walk through spilled material. Stop leak if safe to do so – If possible, turn leaking container so that gas escapes rather than liquid – Prevent entry into waterways, drains or confined areas. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds – Do not direct water at source of leak or venting safety devices as icing may occur. Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately – Clothing frozen to the

- Remove contaminated clothing and shoes immediately Clothing frozen to the skin should be thawed before being removed - In case of frostbite, thaw with lukewarm water.
- Keep victim warm and quiet. ٠

GASES – FLAMMABLE

GUIDE 04

• Obtain immediate medical care - Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

GUIDE 05	GASES – TOXIC, FLAMMABLE Compressed, liquefied or deeply refrigerated (cryogenic)
HAZARDS	
Fire or explosion	 May form explosive mixtures with air. May be ignited by heat, sparks or flames. Vapours from liquefied gas are usually heavier than air. Vapours may travel to source of ignition and flash back. May react violently with water. Containers may explode when heated – Ruptured cylinders may rocket. Runoff may create fire or explosion hazard. Fire will produce irritating, toxic, and/or corrosive gases. May decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Runoff may pollute waterways.
PROTECTIV	E CLOTHING
	 Wear SCBA and fully-encapsulating, gas-tight suit when handling leaking or damaged cylinders and equipment. Where ignition of gas is likely then structural firefighting uniform should be considered. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leakage area should be isolated immediately for at least 100 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial evacuation of areas within at least 800 m in all directions. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1500 m in all directions.

GUIDE 05	GASES – TOXIC, FLAMMABLE
	Compressed, liquefied or deeply refrigerated (cryogenic)
EMERGENC	YRESPONSE
Fire	 D0 NOT EXTINGUISH BURNING GAS UNLESS LEAK CAN BE STOPPED. ATTACK FROM AN UPWIND POSITION. CUT OFF SOURCE OF GAS IF SAFE TO DO SO – IF NOT POSSIBLE LEAVE GAS TO BURN, PROTECT EXPOSURES, COOL CONTAINERS. If safe to do so, move undamaged containers from fire area. Extinguish secondary fire. Small fire Use dry chemical, CO₂ or water spray to extinguish burning gas if absolutely necessary and safe to do so – Do not use water jets. Large fire Cool container by flooding water into upper surface until well after fire is out – Do not direct water at source of leak or venting safety devices as icing may occur. Fight secondary fire from protected position or use unmanned hose holders or monitor nozzles. When impossible to contain fire, withdraw immediately from hazard area and let burn. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode. ALWAYS stay away from tank ends. Damaged containers should only be handled following expert advice.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 200 m – All equipment used when handling the product must be earthed. Prevent spreading of vapours through drains and ventilation systems. Ventilate the area – Do not touch or walk through spilled material. Stop leak if safe to do so – If possible, turn leaking container so that gas escapes rather than liquid – Prevent entry into waterways, drains or confined areas. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds – Do not direct water at source of leak or venting safety devices as icing may occur. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately – Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water. Keep victim warm and quiet, and under observation – Effects of exposure (ingestion, inhalation or skin contact) may be delayed. Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR EVENTUCE ADVISE (SCENTRE FOR)

FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 06	GASES – SLIGHTLY TOXIC AND/OR CORROSIVE AND FLAMMABLE Compressed, liquefied or deeply refrigerated (cryogenic)
HAZARDS	
Fire or explosion	 Vapours from liquefied gas are usually heavier than air. Containers may explode when heated – Ruptured cylinders may rocket. May burn but do not ignite readily. Fire may produce irritating, toxic, and/or corrosive gases.
Health	 High concentration of gas may cause asphyxiation without warning. Some are irritants. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
PROTECTIV	E CLOTHING
	 Wear SCBA and fully encapsulated, gas-tight suit. If a fully encapsulated, gas-tight suit is not available chemical splash suits should be a preferred option over structural firefighting uniform. Structural firefighter's uniform will provide limited protection. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment.
PUBLIC SAF	ETY
	 Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 500 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 06	GASES – SLIGHTLY TOXIC AND/OR CORROSIVE AND FLAMMABLE Compressed, liquefied or deeply refrigerated (cryogenic)
EMERGENC	YRESPONSE
Fire	 DO NOT EXTINGUISH BURNING GAS UNLESS LEAK CAN BE STOPPED. CUT OFF SOURCE OF GAS IF SAFE TO DO SO – IF NOT POSSIBLE, LEAVE GAS TO BURN, PROTECT EXPOSURES, COOL CONTAINERS. If safe to do so, move undamaged containers from fire area. Extinguish secondary fire. Small fire Use dry chemical, CO₂ or water spray to extinguish burning gas if absolutely necessary and safe to do so – Do not use water jets. Large fire Cool container by directing flooding quantities of water into upper surface until well after fire is out – Do not direct water at source of leak or venting safety devices as icing may occur. Cool container and fight secondary fire from protected position or use unmanned hose holders or monitor nozzles – When impossible withdraw immediately from hazard area and let burn. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode. ALWAYS stay away from tank ends.
	Damaged containers should only be handled following expert advice.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50 m - All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Stop leak if safe to do so - If possible, turn leaking container so that gas escapes rather than liquid - Prevent entry into waterways, drains and confined areas. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds - Do not direct water at source of leak or venting safety devices as icing may occur. Allow substance to evaporate - Ventilate the area. Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.

- Remove contaminated clothing and shoes immediately Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water.
- Keep victim warm and quiet Obtain immediate medical care Ensure that attending medical personnel are aware of identity of product(s) involved, and take precautions to protect themselves.
- CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 07 **GASES – TOXIC AND/OR CORROSIVE** Compressed, liquefied or deeply refrigerated (cryogenic) HAZARDS Fire or . Vapours from liquefied gas are usually heavier than air. explosion . Containers may explode when heated - Ruptured cylinders may rocket. May react violently with water. Fire may produce irritating, toxic, and/or corrosive gases. ٠ Health TOXIC. MAY BE FATAL IF INHALED. SWALLOWED OR ABSORBED THROUGH THE SKIN. Contact with gas or liquefied gas may cause burns, severe injury and/or . frostbite. Runoff may pollute waterways. **PROTECTIVE CLOTHING** Wear SCBA and fully-encapsulating, gas-tight suit when handling leaking or damaged cylinders or equipment. Chemical splash suit and structural firefighting uniform offer inadequate . protection from this hazard. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment. **PUBLIC SAFETY IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK** COVER). Spill or leak area should be isolated immediately for at least 100 m in all directions. Keep unauthorised personnel away. . Many gases are heavier than air and will collect in low or confined areas . (drains, basements, tanks). Keep upwind and to higher ground. Ventilate enclosed spaces before entering. . Evacuation Large spill

• Consider initial downwind evacuation of areas within at least 800 m.

Fire

• When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1500 m in all directions.

GUIDE 07	GASES – TOXIC AND/OR CORROSIVE Compressed, liquefied or deeply refrigerated (cryogenic)				
EMERGENCY RESPONSE					
Fire	 ATTACK FROM AN UPWIND POSITION. Small fire Use extinguishing agent suitable for type of surrounding fire. If safe to do so, move undamaged containers from fire area. Cool container by directing flooding quantities of water onto upper surface until well after fire is out – Do not direct water at source of leak or venting safety devices as icing may occur. Large fire Cool container and fight secondary fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode. ALWAYS stay away from tank ends. 				
	Damaged containers should only be handled following expert advice.				
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50 m – All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Stop leak if safe to do so – If possible, turn leaking container so that gas escapes rather than liquid – Prevent entry into waterways, drains or confined areas. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds – Do not direct water at spill or source of leak. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning. 				
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately – Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water. Keep victim warm and quiet, and under observation – Effects of exposure (ingestion, inhalation or skin contact) may be delayed. Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER). 				

GUIDE 08	GASES – NON-REACTIVE, ASPHYXIANTS Compressed, liquefied or deeply refrigerated (cryogenic)		
HAZARDS			
Fire or explosion	 Non-flammable gases. Vapours from liquefied gas are usually heavier than air. Containers may explode when heated – Ruptured cylinders may rocket. 		
Health	 High concentration of gas may cause asphyxiation without warning. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. 		
PROTECTIV	E CLOTHING		
	 Wear SCBA for large spills and in confined areas. Structural firefighter's uniform will provide limited protection. Always wear thermal protective equipment when handling cryogenic liquids and associated equipment. 		
PUBLIC SAF	ЕТҮ		
	 Spill or leak area should be isolated immediately for at least 15 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Keep upwind and to higher ground. Ventilate enclosed spaces before entering. 		
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions. 		

GUIDE 08 GASES – NON-REACTIVE, ASPHYXIANTS Compressed, liquefied or deeply refrigerated (cryogenic)

EMERGENCY RESPONSE

Fire Small fire

- Use extinguishing agent suitable for type of surrounding fire.
- If safe to do so, move undamaged containers from fire area.
- Cool container by directing flooding quantities of water onto upper surface until well after fire is out.

Large fire

- Cool container and fight fire from protected position or use unmanned hose holders or monitor nozzles – Do not direct water at source of leak or venting safety devices as icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode.
- ALWAYS stay away from tank ends.
- Damaged containers should only be handled following expert advice.
- Spill or leak
 Do not touch or walk through spilled material.
 Stop leak if safe to do so If possible, turn leaking container so that gas escapes rather than liquid Prevent entry into waterways, drains or confined areas.
 - Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds – Do not direct water at spill or source of leak.
 - Allow substance to evaporate Ventilate the area.

Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.

- Remove victim to fresh air Apply resuscitation if victim is not breathing.
 - Administer oxygen if breathing is difficult.
 - Remove contaminated clothing and shoes immediately Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water.
 - Keep victim warm and quiet.
 - Obtain immediate medical care Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

First aid

GUIDE 09 CARBON DIOXIDE (CO₂) Compressed, liquefied or solid

HAZARDS			
Fire or explosion	 Non-flammable gas, solid or liquid under pressure. Containers may explode when heated – Ruptured cylinders may rocket. Vapour is heavier than air. 		
Health	 High concentration of gas may cause asphyxiation without warning. Contact with liquefied or solidified gas may cause severe frostbite. NOTE – Damaged packages containing solid CO₂ as a refrigerant are likely to produce water or frost from condensation of air. Do not touch this liquid as it could be contaminated by the contents of the parcel. 		
PROTECTIV	ECLOTHING		
	 Wear SCBA for large spills and in confined areas. Structural firefighter's uniform will provide limited protection. Always wear thermal protective equipment when handling cryogenic liquids and associated equipment. 		
PUBLIC SAFETY			
	 Isolate spill or leak area. Keep upwind and to higher ground. Keep unauthorised personnel away. Ventilate enclosed spaces before entering. 		
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions. 		

GUIDE 09 CARBON DIOXIDE (CO₂) Compressed, liquefied or solid

EMERGENCY RESPONSE

Fire Small fire

- Use extinguishing agent suitable for type of surrounding fire.
 - If safe to do so, move undamaged containers from fire area.
- Cool container by directing flooding quantities of water onto upper surface until well after fire is out.

Large fire

- Cool container and fight fire from protected position or use unmanned hose holders or monitor nozzles.
- Do not direct water at source of leak or venting safety devices as icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode.
- ALWAYS stay away from tank ends.
- Damaged containers should only be handled following expert advice.
- Spill or leak
 Do not touch or walk through spilled material.
 Stop leak if safe to do so If possible, turn leaking container so that gas escapes rather than liquid Prevent entry into waterways, drains or confined areas.
 Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds Do not direct water at spill or source of leak.
 - Allow substance to evaporate Ventilate the area.

Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.

- First aid
 Remove victim to fresh air Apply resuscitation if victim is not breathing.
 Administer oxygen if breathing is difficult.
 - Remove contaminated clothing and shoes immediately Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water.
 - Keep victim warm and quiet.
 - Obtain immediate medical care Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

GUIDE 10	GASES – OXIDIZING Compressed, liquefied or deeply refrigerated (cryogenic)		
HAZARDS			
Fire or explosion	 Will not burn but will increase intensity of fire. Some will react explosively with hydrocarbons (fuels). May ignite combustibles (wood, paper, clothing, and so on). Vapours from liquefied gas usually heavier than air. Containers may explode when heated – Ruptured cylinders may rocket. Runoff may create fire or explosion hazard. Fire may produce irritating or toxic gases. 		
Health	 High concentration of gas may cause asphyxiation without warning. Some are narcotic in high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. 		
PROTECTIV	E CLOTHING		
	 Wear SCBA and fully-encapsulating, gas-tight suit when handling leaking or damaged cylinders and equipment for large spills and in confined areas. SCBA and chemical splash suits will offer significant protection. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment. 		
PUBLIC SAF	ETY		
	 Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Keep upwind and to higher ground. Ventilate enclosed spaces before entering. 		
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions. 		

GASES – OXIDIZING **GUIDE 10** Compressed, liquefied or deeply refrigerated (cryogenic) EMERGENCY RESPONSE Fire Small fire Use extinguishing agent suitable for type of surrounding fire. If safe to do so, move undamaged containers from fire area. Cool container by directing flooding quantities of water onto upper surface . until well after fire is out. Large fire Cool container and fight fire from protected position or use unmanned hose holders or monitor nozzles - Do not direct water at source of leak or venting safety devices as icing may occur. When impossible, withdraw immediately from hazard area and let burn. Withdraw immediately in case of rising sound from venting safety devices or . discolouration of tank - tank may explode. ALWAYS stay away from tank ends. Damaged containers should only be handled following expert advice. Spill or leak ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at . least 50 m – All equipment used when handling the product must be earthed. Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled . material. Do not touch or walk through spilled material. Stop leak if safe to do so - If possible, turn leaking container so that gas escapes rather than liquid - Prevent entry into waterways, drains or confined areas. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds - Do not direct water at source of spill or leak. Allow substance to evaporate - Ventilate the area. Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning. First aid Remove victim to fresh air – Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. . Remove contaminated clothing and shoes immediately - Clothing frozen to the . skin should be thawed before being removed - In case of frostbite, thaw with lukewarm water. Keep victim warm and guiet. Obtain immediate medical care - Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

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GUIDE 11	OXYGEN Compressed, liquefied or deeply refrigerated (cryogenic)			
HAZARDS				
Fire or explosion	 Oxygen does not burn but will increase intensity of fire. May ignite combustibles (wood, paper, oil, clothing, and so on). Oxygen in liquid form may explode when in contact with combustible materials (oil, asphalt, hot tyres, and so on). Vapours from liquefied gas are usually heavier than air. Containers may explode when heated – Ruptured cylinders may rocket. Burning material may produce irritating fumes. 			
Health	 Prolonged inhalation of pure oxygen may cause pulmonary irritation and oedema. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. 			
PROTECTIV	E CLOTHING			
	 Wear SCBA and structural firefighting uniform when handling leaking or damaged cylinders and equipment. Always wear thermal protective equipment when handling cryogenic liquids and associated equipment. 			
PUBLIC SAF	ETY			
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. 			
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions. 			

GUIDE 11	OXYGEN Compressed, liquefied or deeply refrigerated (cryogenic)
EMERGENC	(RESPONSE
Fire	 Small fire Use extinguishing agent suitable for type of surrounding fire. If safe to do so, move undamaged containers from fire area. Cool container by directing flooding quantities of water onto upper surface until well after fire is out. Large fire Cool container and fight fire from protected position or use unmanned hose holders or monitor nozzles – Do not direct water at source of leak or venting safety devices as icing may occur. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode. Always stay away from tank ends. Damaged containers should only be handled following expert advice.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50 m. Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled material. Do not touch or walk through spilled material. Stop leak if safe to do so – If possible, turn leaking container so that gas escapes rather than liquid – Prevent entry into waterways, drains or confined areas. Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds – Do not direct water at spill or source of leak. Allow substance to evaporate – Ventilate the area. Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately – Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water. Keep victim warm and quiet. Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of product(s) involved, and take precautions to protect themselves.

GUIDE 12	GASES – TOXIC, CORROSIVE AND OXIDIZING Compressed, liquefied or deeply refrigerated (cryogenic)		
HAZARDS			
Fire or explosion	 Will not burn but will increase intensity of fire. Will react vigorously or explosively with many materials. Some will react explosively with hydrocarbons (fuels). May ignite combustibles (wood, paper, oil, clothing, and so on). Vapours from liquefied gas are usually heavier than air. Some will react violently with air, moist air, and/or water. Containers may explode when heated – Ruptured cylinders/dispensers may rocket. 		
Health	 TOXIC: MAY BE FATAL IF INHALED. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Runoff may pollute waterways. 		
PROTECTIV	 CLOTHING Wear SCBA and fully-encapsulating, gas-tight suit when handling leaking or damaged cylinders and equipment. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment. 		
PUBLIC SAF	ETY		
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 100 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Keep upwind and to higher ground. Ventilate enclosed spaces before entering. 		
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 800 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within at least 1500 m in all directions. 		

GUIDE 12 GASES – TOXIC, CORROSIVE AND OXIDIZING Compressed, liquefied or deeply refrigerated (cryogenic) EMERGENCY RESPONSE Fire . ATTACK FROM AN UPWIND POSITION. . Water only: no dry chemical or CO₂. Contain fire and let burn – If fire must be fought, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out. . Avoid getting water inside containers. . If safe to do so, move undamaged containers from fire area. ٠ Damaged containers should only be handled following expert advice. ٠ Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor . nozzles. Do not direct water at source of leak or venting safety devices as icing may occur. When impossible, withdraw from area and let fire burn – Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank - tank may explode.

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- **Spill or leak** Eliminate all ignition sources (no smoking, flares, spark or flame) within at least 50 m All equipment used when handling this product must be earthed.
 - Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled material.
 - Do not touch or walk through spilled material.
 - Stop leak if safe to do so Prevent entry into waterways, drains or confined areas.
 - Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds Do not direct water at source of spill or leak.
 - Isolate area until gas has dispersed Ventilate the area.
 - SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

Caution: When in contact with cryogenic liquids, most materials become brittle and are likely to break without warning.

First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the
	substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult.

- Remove contaminated clothing and shoes immediately Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water.
- Keep victim warm and quiet, and under observation Effects of exposure (ingestion, inhalation and skin contact) may be delayed.
- Obtain immediate medical care Ensure that attending medical personnel are aware of identity ad nature of product(s) involved, and take precautions to protect themselves.
- CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 13	GASES – TOXIC, SPONTANEOUSLY COMBUSTIBLE (PYROPHORIC) Compressed or liquefied		
HAZARDS			
Fire or explosion	 Will be easily ignited by heat, sparks or flame. May form explosive mixtures with air. May ignite spontaneously on contact with air – May re-ignite after fire is extinguished. Vapours from liquefied gas are usually heavier than air. Containers may explode when heated – Ruptured cylinders may rocket. Fire may product irritating, toxic, and/or corrosive gases. May decompose explosively (D) or polymerise violently (P) when heated or involved in a fire. 		
Health	 TOXIC: MAY BE FATAL IF INHALED. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. 		
PROTECTIVE	E CLOTHING		
	 Wear SCBA, fully-encapsulating, gas-tight suit, and structural firefighting uniform when handling leaking or damaged cylinders and equipment. Always wear thermal protective clothing when handling cryogenic liquids and associated equipment. 		
PUBLIC SAF	ETY		
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Many gases are heavier than air and will collect in low or confined areas (drains, basements, tanks). Keep upwind and to higher ground. 		
Evacuation	 Large spill Consider initial evacuation of areas within at least 800 m in all directions. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within at least 1500 m in all directions. 		

GUIDE 13	GASES – TOXIC, SPONTANEOUSLY COMBUSTIBLE (PYROPHORIC) Compressed or liquefied			
EMERGENCY	/ RESPONSE			
Fire	 D0 NOT EXTINGUISH BURNING GAS UNLESS LEAK CAN BE STOPPED. ATTACK FROM AN UPWIND POSITION. CUT OFF SOURCE OF GAS IF SAFE TO DO SO – IF NOT POSSIBLE, LEAVE GAS TO BURN, PROTECT EXPOSURES, COOL CONTAINERS. If safe to do so, move undamaged containers from fire area. Extinguish secondary fire. Small fire Use dry chemical or CO₂ to extinguish burning gas if absolutely necessary and safe to do so. Large fire Cool container by directing flooding quantities of water onto upper surface until well after fire is out – Do not direct water at source of leak or venting safety devices as icing may occur. Cool container and fight secondary fire from protected position or use unmanned hose holders or monitor nozzles – When impossible withdraw immediately from hazard area and let burn. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank – tank may explode. ALWAYS stay away from tank ends. Damaged cylinders should only be handled following expert advice. 			
Spill or leak	 Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 50 m – All equipment used when handling this product must be earthed. Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled material. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains and confined areas – Use water spray, fog or vapour-suppressing foam to knock down vapours or divert vapour clouds – Do not direct water at source of spill or leak. Isolate area until gas has dispersed – Ventilate the area. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. 			
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately – Clothing frozen to the skin should be thawed before being removed – In case of frostbite, thaw with lukewarm water. Keep victim warm and quiet, and under observation – Effects of exposure 			

- (ingestion, inhalation and skin contact) may be delayed. ٠ Obtain immediate medical care - Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.
- CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE ٠ FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 14	LIQUIDS – HIGHLY FLAMMABLE		
HAZARDS			
Fire or explosion	 HIGHLY FLAMMABLE: These products have a low flashpoint – Will be easily ignited by heat, sparks or flames at ambient temperatures. Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Fire may produce irritating, toxic or corrosive gases. Containers may explode when heated. Many liquids are lighter than water. Many vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Vapours from runoff may create an explosion hazard. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire. 		
Health	 May irritate or burn skin and eyes. Runoff from fire control or dilution water may pollute waterways. Vapours may cause dizziness or drowsiness. 		
PROTECTIVE CLOTHING			
	 SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers and where there is no risk of ignition. SCBA and structural firefighting uniform provide limited protection where there is a risk of ignition. 		
PUBLIC SAF	ETY		
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering. 		
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions. 		

GUIDE 14 LIQUIDS – HIGHLY FLAMMABLE

EMERGENCY RESPONSE

Fire	 Caution: Use of water spray when fighting fire may be inefficient. Small fire
	• Use foam, dry chemical, CO_2 or water spray.
	Large fire
	• Use foam, fog or water spray – Do not use water jets.
	• If safe to do so, move undamaged containers from fire area.
	Cool container with flooding quantities of water until well after fire is out.
	Avoid getting water inside containers.
	Fire involving tanks
	 Fight fire from protected position or use unmanned hose holders or monitor nozzles.
	• When impossible, immediately withdraw from hazard area and let burn.
	 Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
	ALWAYS stay away from tank ends.
	NOTE – For substances containing alcohol or polar solvent, alcohol-resistant foam may be necessary.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50 m – All equipment used in handling the product must be earthed. Do not touch or walk through spilled material.
	 Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.
	 Vapour-suppressing foam may be used to control vapours.
	 Absorb spill with earth, sand or other non-combustible material – Use clean, non-sparking tools to collect material and place it in loosely-covered metal or plastic containers for later disposal.
	Water spray may be used to knock down or divert vapour clouds.
	• SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.
	Remove contaminated clothing and shoes immediately.
	 In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.
	 Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

GUIDE 15	LIQUIDS – FLAMMABLE
HAZARDS	
Fire or explosion	 May be ignited by heat, sparks or flames. Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will spread along ground and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Fire may produce irritating, toxic, and/or corrosive gases. Vapours from runoff may create an explosion hazard. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 May irritate or burn skin and eyes. Runoff from fire control or dilution water may pollute waterways. Vapour may cause dizziness or drowsiness.
PROTECTIV	E CLOTHING
	 SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers and where there is no risk of ignition. SCBA and structural firefighting uniform provide limited protection where there is a risk of ignition.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 15 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 100 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions.

GUIDE 15 LIQUIDS – FLAMMABLE

Fire	Small fire
	• Use foam, dry chemical, CO_2 or water spray.
	Large fire
	• Use foam, fog or water spray.
	• Do not use water jets.
	• If safe to do so, move undamaged containers from fire area.
	Cool container with flooding quantities of water until well after fire is out.
	Avoid getting water inside containers.
	Fire involving tanks
	 Fight fire from protected position or use unmanned hose holders or monitor nozzles – When impossible, immediately withdraw from hazard area and let burn.
	 Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
	ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m – All equipment used in handling the product must be earthed.
	Do not touch or walk through spilled material.
	 Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.
	 Vapour-suppressing foam may be used to control vapours – Water spray may be used to knock down or divert vapour clouds.
	Absorb with earth, sand or other non-combustible material.
	 Use clean non-sparking tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal.
	SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult.
	Remove contaminated clothing and shoes immediately.
	 In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.
	• Keep victim warm and quiet – Obtain immediate medical care.
	 Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 16	LIQUIDS – HIGHLY FLAMMABLE, TOXIC
HAZARDS	
Fire or explosion	 HIGHLY FLAMMABLE: These liquids have a low flashpoint – Will be easily ignited by heat, sparks or flame. Vapours will form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Fire will produce irritating, toxic, and/or corrosive gases. Vapours from runoff may create an explosion hazard. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC: MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. May irritate or burn skin and eyes. Runoff from fire control or dilution water may pollute waterways.
PROTECTIV	E CLOTHING
	 SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers and where there is no risk of ignition. SCBA and structural firefighting uniform provide VERY limited protection where there is a risk of ignition.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep upwind and to higher ground. Keep unauthorised personnel away. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

GUIDE 16 LIQUIDS – HIGHLY FLAMMABLE, TOXIC

EMERGENCY RESPONSE

Fire	Caution: Use of water spray when fighting fire may be inefficient. Small fire
	• Use foam, dry chemical, CO_2 or water spray.
	Large fire
	 Use foam, fog or water spray – Do not use water jets – If safe to do so, move undamaged containers from fire area.
	Cool containers with flooding quantities of water until well after fire is out.
	Avoid getting water inside containers.
	Fire involving tanks
	 Fight fire from protected position or use unmanned hose holders or monitor nozzles.
	• When impossible, immediately withdraw from hazard area and let burn.
	 Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
	ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50 m – All equipment used when handling the product must be earthed.
	Do not touch or walk through spilled material.
	 Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.
	 Vapour-suppressing foam may be used to control vapours – Water spray may be used to knock down or divert vapour clouds.
	 Absorb with earth, sand or other non-combustible material.
	Use clean, non-sparking tools to collect material and place it in loosely-
	covered metal or plastic containers for later disposal.
	SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult.
	Remove contaminated clothing and shoes immediately.
	 In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes.
	 Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.
	• CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 17	LIQUIDS – FLAMMABLE, TOXIC
HAZARDS	
Fire or explosion	 May be ignited by heat, sparks or flame. Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Vapours from runoff may create an explosion hazard. Fire will produce irritating, toxic, and/or corrosive gases. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC: MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. May irritate or burn skin and eyes. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVI	E CLOTHING
	 SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers and where there is no risk of ignition. SCBA and structural firefighting uniform provide VERY limited protection where there is a risk of ignition.
PUBLIC SAF	ЕТҮ
Evacuation	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep upwind and to higher ground. Keep unauthorised personnel away. Ventilate enclosed spaces before entering. Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions.

LIQUIDS – FLAMMABLE, TOXIC **GUIDE 17**

EMERGENCY RESPONSE

Fire	Small fire
	• Use foam, dry chemical, CO ₂ or water spray.
	Large fire
	• Use foam, fog or water spray – Do not use water jets.
	• If safe to do so, move undamaged containers from fire area.
	Cool containers with flooding quantities of water until well after fire is out.
	Avoid getting water inside containers.
	Fire involving tanks
	 Fight fire from protected position or use unmanned hose holders or monitor nozzles.
	• When impossible, immediately withdraw from hazard area and let burn.
	• Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
	ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 25 m – All equipment used in handling the product must be earthed.
	Do not touch or walk through spilled material.
	 Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.
	 Vapour-suppressing foam may be used to control vapours – Water spray may
	be used to knock down or divert vapour clouds.
	Absorb with earth, sand or other non-combustible material.
	 Use clean, non-sparking tools to collect material and place it in loosely- covered metal or plastic containers for later disposal.
	SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult.
	 Remove contaminated clothing and shoes immediately.
	 In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes.
	 Keep victim warm and quiet – Obtain immediate medical care – Ensure that
	attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.
	• CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 18	LIQUIDS – HIGHLY FLAMMABLE, TOXIC AND/OR CORROSIVE
HAZARDS	
Fire or explosion	 HIGHLY FLAMMABLE: These liquids have a low flashpoint – Will be easily ignited by heat, sparks or flame. Vapours will form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Fire will produce irritating, toxic, and/or corrosive gases. Vapours from runoff may create an explosion hazard. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC: MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. May irritate or burn skin and eyes. Runoff from fire control or dilution water may pollute waterways.
PROTECTIV	E CLOTHING
	 Wear SCBA, fully-encapsulating, gas-tight suit and structural firefighting uniform when handling leaking or damaged containers and equipment. SCBA and chemical splash suits will offer limited protection for brief exposure provided there is no risk of ignition.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep upwind and to higher ground. Keep unauthorised personnel away. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions.

GUIDE 18 LIQUIDS – HIGHLY FLAMMABLE, TOXIC AND/OR CORROSIVE

Fire	Caution: Use of water spray when fighting fire may be inefficient. Small fire
	• Use foam, dry chemical, CO_2 or water spray.
	Large fire
	 Use foam, fog or water spray – Do not use water jets – If safe to do so, move undamaged containers from fire area.
	Cool containers with flooding quantities of water until well after fire is out.
	Avoid getting water inside containers.
	Fire involving tanks
	 Fight fire from protected position or use unmanned hose holders or monitor nozzles.
	• When impossible, immediately withdraw from hazard area and let burn.
	 Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
	ALWAYS stay away from tank ends.
Spill or leak	ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50 m. All equipment used in herdline the graduat must be carted
	 least 50 m – All equipment used in handling the product must be earthed. Do not touch or walk through spilled material.
	 Stop leak if safe to do so – Prevent entry into waterways, drains or confined
	areas.
	• Vapour-suppressing foam may be used to control vapours – Water spray may
	be used to knock down or divert vapour clouds.
	Absorb with earth, sand or other non-combustible material.
	 Use clean, non-sparking tools to collect material and place it in loosely- covered metal or plastic containers for later disposal.
	SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
	• SEEK EXPERTADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult.
	Remove contaminated clothing and shoes immediately.
	 In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes.
	 Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of product(s) involved, and take precautions to protect themselves.
	• CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 19	LIQUIDS – FLAMMABLE, TOXIC AND/OR CORROSIVE
HAZARDS	
Fire or explosion	 May be ignited by heat, sparks or flame. Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Vapours from runoff may create an explosion hazard. Fire will produce irritating, toxic, and/or corrosive gases. Some will decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC: MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. May irritate or burn skin and eyes. Runoff from fire control or dilution water may pollute waterways.
PROTECTIV	E CLOTHING
	 Wear SCBA, fully-encapsulating, gas-tight suit and structural firefighting uniform when handling leaking or damaged containers and equipment. SCBA and chemical splash suits will offer limited protection for brief exposure provided there is no risk of ignition.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 500 m in all directions.

GUIDE 19	LIQUIDS – FLAMMABLE, TOXIC AND/OR CORROSIVE
EMERGENCY	(RESPONSE
Fire	 Small fire Use foam, dry chemical, CO₂ or water spray. Large fire Use foam, fog or water spray – Do not use water jets. If safe to do so, move undamaged containers from fire area. Cool container with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. When impossible, immediately withdraw from hazard area and let burn. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 25 m – All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours – Water spray may be used to knock down or divert vapour clouds. Absorb with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it in loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 20	SOLIDS – FLAMMABLE
HAZARDS	
Fire or explosion	 May be ignited by friction, heat, sparks or flame. Vapours, dust, borings or turnings may form explosive mixtures with air. May burn fiercely. May re-ignite after fire is extinguished. Fire may produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may pollute waterways. May be transported in a molten form. Solids may melt and flow when heated or involved in a fire.
Health	 May be toxic if inhaled or absorbed through skin. Contact with molten substance may cause severe burns. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	CLOTHING
	Wear SCBA and chemical splash suit.Structural firefighter's uniform may provide limited protection.
PUBLIC SAF	ЕТҮ
	 Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

GUIDE 20	SOLIDS – FLAMMABLE
EMERGENC	YRESPONSE
Fire	 Small fire Use foam, dry chemical, CO₂ or water spray. Large fire Use water spray, fog or foam. If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 15 m. Do not touch or walk through spilled material. Prevent entry into waterways, drains or confined areas. Obtain expert advice on use of water as spilled material may be water-reactive. Prevent dust cloud. Use clean non-sparking tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

GUIDE 21	SELF-REACTIVE SUBSTANCES Type B to F, liquid or solid
HAZARDS	
Fire or explosion	 Self-decomposition or self-ignition may be triggered by heat, chemical reaction, friction or impact. May decompose explosively (D) when heated or involved in a fire. Some will decompose explosively, particularly if confined. May burn vigorously – Decomposition may be self-accelerating and produce large amounts of gases. Vapours or dusts may form explosive mixtures of air. May re-ignite after fire is extinguished.
Health	 May produce irritating, toxic, and/or corrosive gases. Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	CLOTHING
	Wear SCBA and chemical splash suit.Structural firefighter's uniform may provide limited protection.
PUBLIC SAF	ЕТҮ
	 Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

GUIDE 21 SELF-REACTIVE SUBSTANCES Type B to F, liquid or solid

EMERGENCY RESPONSE

Fire	 Small fire Use dry chemical, CO₂, water spray or foam. Large fire Flood fire area with water from a distance. If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks BEWARE OF POSSIBLE CONTAINER EXPLOSION. Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Absorb with earth, sand or other non-combustible material. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 22	SELF-REACTIVE, TEMPERATURE-CONTROLLED SUBSTANCE – Type B to F, liquid or solid
HAZARDS	
Fire or explosion	 Self-decomposition or self-ignition may be triggered by heat, chemical reaction, friction or impact. Particularly sensitive to temperature rises – Above a given control temperature they decompose violently and catch fire – The specified control temperature must not be exceeded. Self-accelerating decomposition will occur if the specific control temperature is not maintained. May decompose explosively (D) when heated or involved in a fire. May burn vigorously – Decomposition may be self-accelerating and produce large amounts of gases. Vapours or dusts may form explosive mixtures with air.
Health	 May produce irritating, toxic, and/or corrosive gases. Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVI	ECLOTHING
	Wear SCBA and chemical splash suit.Structural firefighter's uniform may provide limited protection.
PUBLIC SAF	 ETY IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). DO NOT ALLOW SUBSTANCE TO WARM UP. The specified control temperature must not be exceeded at any time. Use dry ice or ice for cooling where necessary. If the temperature cannot be controlled, consider evacuation. Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

GUIDE 22 SELF-REACTIVE, TEMPERATURE-CONTROLLED SUBSTANCE – Type B to F, liquid or solid

Fire	 Small fire Use dry chemical, CO₂, water spray or foam. Large fire Flood fire area with water from a distance. Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area. DO NOT move cargo or vehicle if cargo has been exposed to heat. BEWARE OF POSSIBLE CONTAINER EXPLOSION. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Absorb with earth, sand or other non-combustible material. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 23	SPONTANEOUSLY COMBUSTIBLE SUBSTANCES (Air-reactive)
HAZARDS	
Fire or explosion	 Exposure to air will lead to spontaneous combustion. Burn rapidly. May re-ignite after fire is extinguished. Fire may produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create multiple fire or explosion hazard. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 Vapours may accumulate in confined areas (drains, basements, tanks, hoppers). May produce irritating, toxic, and/or corrosive gases. Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff from fire control or dilution water may be corrosive and/or toxic, and pollute waterways.
PROTECTIVI	E CLOTHING
	 Wear SCBA and fully-encapsulating, gas-tight suit when handling these substances. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 23 SPONTANEOUSLY COMBUSTIBLE SUBSTANCES (Air-reactive)

Fire	 Try to exclude oxygen Small fire Use dry chemical, CO₂, foam or gentle water spray. If safe to do so, move undamaged containers from fire area. Large fire Use foam, fog or water spray – Do not use water jets. Do not scatter material or allow it to spread. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 Try to exclude contact with oxygen. Use foam or inert gas, or cover with WET earth, sand or other non-combustible material. Keep the spill compact. Do not permit material to scatter or spread. ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Use clean, non-sparking tools to collect material and place it into loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 24	PHOSPHORUS, white or yellow
HAZARDS	
Fire or explosion	 Extremely flammable. Will ignite spontaneously on contact with air. Burns rapidly. May re-ignite after fire is extinguished if not kept covered by water, wet sand or wet earth. Fire will produce dense, white, irritating, and toxic fumes. Containers may explode when heated. Runoff may create multiple fire or explosion hazard. May be kept in molten form.
Health	 Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Contact with molten substance may cause severe burns. Produces toxic and/or corrosive gases on contact with air. Runoff from fire control or dilution water may be corrosive and/or toxic, and pollute waterways.
PROTECTIV	E CLOTHING
	 Wear SCBA and structural firefighting uniform when handling these substances. Always wear thermal protective clothing when handling molten substances.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 1000 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

GUIDE 24	PHOSPHORUS, white or yellow
EMERGENCY	/ RESPONSE
Fire	 Try to exclude oxygen Small fire Use foam or gentle water spray, wet sand or wet earth. If safe to do so, move undamaged containers from fire area. Large fire Flood fire area with large quantities of water while knocking down vapours with water fog. Do not use water jets. Do not scatter material or allow it to spread. Cool containers with flooding quantities of water until well after fire is out. Allow any residual substance to burn off under fire brigade supervision. Fire involving tanks Try to exclude contact with oxygen. Use foam or inert gas, or cover with WET earth, sand or other noncombustible material. Keep the spill compact. Do not permit material to scatter or spread. Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
Spill or leak	 ALWAYS stay away from tank ends. Use water spray to reduce fumes or divert smoke plumes. Keep substance wet using water spray. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Cover with WET earth, sand or other non-combustible material. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. Allow residual substance to burn off under fire brigade supervision.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 25	SPONTANEOUSLY COMBUSTIBLE SUBSTANCES (Air and/or water reactive)
HAZARDS	
Fire or explosion	 May ignite on contact with air, moist air or water. May react vigorously or explosively on contact with water. May produce flammable, toxic, and/or corrosive gases on contact with air, moist air or water. May re-ignite after fire is extinguished. Fire will produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create multiple fire or explosion hazard. May decompose explosively (D) when heated or involved in a fire. May be kept in a protective medium.
Health	 Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Contact with molten substance may cause severe burns. Some effects may be experienced due to skin absorption. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	CLOTHING
	 Wear SCBA and fully-encapsulating, gas-tight suit when handling these substances. Always wear thermal protective clothing when handling molten substances Structural firefighter's uniform will only provide limited protection.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 25	SPONTANEOUSLY COMBUSTIBLE SUBSTANCES (Air and/or water reactive)
EMERGENCY	/ RESPONSE
Fire	 DO NOT USE WATER, CO₂ OR FOAM ON SUBSTANCE ITSELF. Try to exclude oxygen. Small fire Use dry chemical, soda ash or lime. Large fire Use DRY sand, dry chemical, soda ash or lime or withdraw and let fire burn. If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers or in contact with substance. Caution: Dithionite (hydrosulphite) fires may require flooding with water in order to eliminate hazardous reactions since the substances generate their own oxygen. Smothering with DRY sand may be ineffective. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 Try to exclude oxygen. ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Cover with DRY earth, sand or other dry, non-combustible material. Keep the spill compact. Do not permit material to scatter or spread. Small spill Cover with DRY earth, sand or other non-combustible material followed by a plastic sheet to minimise spreading or contact with rain. Use clean non-sparking tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal. Water spray may be used to knock down vapours or divert vapour clouds. DO NOT GET WATER inside containers or in contact with substance.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 26	WATER REACTIVE SUBSTANCES (Evolving flammable gases)
HAZARDS	
Fire or explosion	 Produce flammable substances on contact with water. May ignite on contact with water or moist air. May react vigorously or explosively on contact with water. May be ignited by heat, sparks or flame. May re-ignite after fire is extinguished. Some are kept in or under flammable liquids. Fire will produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create multiple fire or explosion hazard.
Health	 Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	E CLOTHING
	Wear SCBA and chemical splash suit.Structural firefighter's uniform may provide limited protection.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 500 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

WATER REACTIVE SUBSTANCES **GUIDE 26** (Evolving flammable gases) EMERGENCY RESPONSE Fire DO NOT USE WATER OR FOAM. Small fire Use dry chemical, soda ash, lime or sand, If safe to do so, move undamaged containers from fire area. . Large fire Use **DRY** sand, dry chemical, soda ash or lime or withdraw and let fire burn. • Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Magnesium fire . Use **DRY** sand, graphite powder or Met-L-X powder. Lithium fire Use **DRY** sand, graphite powder or Lith-L-X powder. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends. Spill or leak ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within ٠ at least 25 m. . Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Water sprav may be used to knock down vapours or divert vapour clouds. DO NOT GET WATER inside containers or in contact with substance. . Small spill Cover with DRY earth, sand or other non-combustible material followed by a plastic sheet to minimise spreading or contact with rain. Large spill SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. . First aid Remove victim to fresh air – Apply resuscitation if victim is not breathing – ٠ Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eves with running water for at least 15 minutes. Keep victim warm and guiet - Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 27	WATER REACTIVE SUBSTANCES (Evolving flammable/toxic gases)
HAZARDS	
Fire or explosion	 Produce flammable and toxic substances on contact with water. May ignite on contact with water or moist air. May react vigorously or explosively on contact with water. May be ignited by heat, sparks or flame. May re-ignite after fire is extinguished. Some are kept in or under flammable liquids. Fire will produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create fire or explosion hazard.
Health	 TOXIC, MAY BE FATAL IF INHALED. Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff fire control or dilution water may pollute waterways. Will produce toxic and/or corrosive gases on contact with water.
PROTECTIVI	E CLOTHING
	 Wear SCBA and fully-encapsulating, gas-tight suit when handling these substances. Structural firefighter's uniform is NOT effective for these materials. SCBA and chemical splash suits will offer limited protection for brief exposure provided there is no risk of ignition.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 500 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1500 m in all directions.

WATER REACTIVE SUBSTANCES **GUIDE 27** (Evolving flammable/toxic gases) EMERGENCY RESPONSE Fire DO NOT USE WATER OR FOAM. Small fire Use dry chemical, soda ash, lime or sand. . If safe to do so, move undamaged containers from fire area. Large fire Use **DRY** sand, dry chemical, soda ash or lime or withdraw and let fire burn. ٠ Cool containers with flooding quantities of water until well after fire is out. ٠ Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. • ALWAYS stay away from tank ends. Spill or leak ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Water spray may be used to knock down vapours or divert vapour clouds. DO NOT GET WATER inside containers or in contact with substance. Small spill Cover with DRY earth, sand or other non-combustible material followed by a plastic sheet to minimise spreading or contact with rain. Large spill SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. First aid Remove victim to fresh air – Apply resuscitation if victim is not breathing – ٠ Do not use direct mouth-to-mouth method if victim indested or inhaled the substance: use alternative respiratory method or proper respiratory device -Administer oxvgen if breathing is difficult. Remove contaminated clothing and shoes immediately. . In case of contact with material, immediately flush eves or skin with running . water for at least 15 minutes. . Keep victim warm and quiet - Obtain immediate medical care - Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

IN AN EMERGENCY. IN AUSTRALIA CALL 000 IN NEW ZEALAND CALL 111

GUIDE 28	WATER REACTIVE, OXIDIZING SUBSTANCES (Evolving toxic and/or corrosive substances)
HAZARDS	
Fire or explosion	 May ignite combustibles (wood, paper, clothing, and so on). May react vigorously or explosively on contact with water. Runoff may create fire or explosion hazard. Fire will produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Will accelerate burning when involved in a fire. Some will react explosively with hydrocarbons (fuels).
Health	 Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff from fire control or dilution water may pollute waterways. May produce toxic, and/or corrosive gases on contact with water.
PROTECTIVE	ECLOTHING
	 Wear SCBA and fully-encapsulating, gas-tight suit when handling these substances. Structural firefighter's uniform is NOT effective for these materials. SCBA and chemical splash suits will offer limited protection for brief exposure.
PUBLIC SAF	ETY
	 Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1500 m in all directions.

GUIDE 28 WATER REACTIVE, OXIDIZING SUBSTANCES (Evolving toxic and/or corrosive substances) EMERGENCY RESPONSE Fire DO NOT USE WATER OR FOAM. Small fire Use dry chemical, soda ash, lime or sand. If safe to do so, move undamaged containers from fire area. Large fire Use **DRY** sand, dry chemical, soda ash or lime or withdraw and let fire burn. ٠ Cool containers with flooding quantities of water until well after fire is out. ٠ Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. • ALWAYS stay away from tank ends. Spill or leak ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 15 m. Do not touch or walk through spilled material. Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Water spray may be used to knock down vapours or divert vapour clouds. DO NOT GET WATER inside containers or in contact with substance. Small spill Cover with DRY earth, sand or other non-combustible material followed by a plastic sheet to minimise spreading or contact with rain. Large spill SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. First aid Remove victim to fresh air – Apply resuscitation if victim is not breathing – ٠ Do not use direct mouth-to-mouth method if victim indested or inhaled the substance; use alternative respiratory method or proper respiratory device -Administer oxvgen if breathing is difficult. Remove contaminated clothing and shoes immediately. . In case of contact with material, immediately flush eves or skin with running . water for at least 15 minutes. . Keep victim warm and quiet - Obtain immediate medical care - Ensure that attending medical personnel are aware of the identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 29	METALS – Powders, dusts, shavings, borings, turnings or cuttings
HAZARDS	
Fire or explosion	 May explode from heating, shock, friction or contamination. May be ignited by friction, heat, sparks or flame. Dust or fumes may form explosive mixtures with air. Will burn with intense heat. May re-ignite after fire is extinguished. Fire may produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. May react explosively with water. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 Inhalation or contact with vapour, substance or decomposition products may cause severe injury or death. Runoff from fire control or dilution water may pollute waterways. Oxides from metallic fires are a severe health hazard.
PROTECTIVE	ECLOTHING
	Wear SCBA.Structural firefighter's uniform will only provide limited protection.
PUBLIC SAF	ETY
	 Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 50 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 29	METALS – Powders, dusts, shavings, borings, turnings or cuttings
EMERGENC	Y RESPONSE
Fire	 DO NOT USE WATER, FOAM or CO₂. Dousing a metallic fire with water may generate hydrogen gas, an extremely dangerous explosion hazard, particularly if fire is in a confined are (for example building, cargo hold, and so on). Use DRY sand, graphite powder, dry sodium chloride based extinguishers, G-1 or Met-L-X to smother fire. Confining or smothering metal fire is preferable to applying water. If safe to do so, move undamaged containers from fire area. Fire involving tanks If impossible to extinguish, protect surroundings and allow fire to burn.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confirmed areas. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GALLIUM AND MERCURY GUIDE 30 HAZARDS • Does not burn but may produce corrosive and/or toxic fumes upon heating. Fire or explosion • Fire will produce irritating, toxic, and/or corrosive gases. • Runoff will pollute waterways. Health • Inhalation of vapours or contact with substance will result in contamination and potential harmful effects. **PROTECTIVE CLOTHING** ٠ Wear SCBA and chemical splash suit. • Structural firefighter's uniform will provide limited protection. **PUBLIC SAFETY** • Spill or leak area should be isolated immediately for at least 10 m in all directions. Keep unauthorised personnel away. . • Keep upwind and to higher ground. Evacuation Large spill • Consider initial downwind evacuation of areas within at least 25 m. Fire When any large containers (including rail and road tankers) are involved in a • fire. consider initial evacuation of areas within 500 m in all directions.

GUIDE 30 GALLIUM AND MERCURY

EMERGENC	Y RESPONSE
Fire	 Use extinguishing agent suitable for type of surrounding fire. Do not direct water at heated material.
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Do not use steel or aluminium tools or equipment. Cover with earth, sand or other non-combustible material followed by plastic sheet to minimise spreading or contact with rain. Seek expert advice before handling mercury – Use a mercury spill kit if available. Clean up bulk of spill using mechanical means – Residual mercury may be reacted with calcium sulphide (mercury spill kit). SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 31	OXIDIZING SUBSTANCES	
HAZARDS		
Fire or explosion	 Will accelerate burning when involved in a fire. May explode from heating, shock, friction or contamination. Chlorite, Chlorate and Perchlorate salts may react dangerously with hydrocarbons (fuels), organic matter, other contaminants or when hot, molten and confined; to form a mass explosive of Division 1.1. In this condition it should be treated as an explosive (see Guide 02) and the explosive public safety evacuation distances apply. May ignite combustibles (wood, paper, clothing, and so on). Fire may produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create fire or explosion hazard. May decompose explosively (D) when heated or involved in a fire. 	
Health	 Inhalation or contact with vapour, dusts or substance may cause severe injury, burns or death. Runoff from fire control or dilution water may pollute waterways. 	
PROTECTIVE CLOTHING		
	Wear SCBA and chemical splash suit.Structural firefighter's uniform will provide limited protection.	
PUBLIC SAF	ETY	
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. 	
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 100 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions. 	

GUIDE 31 **OXIDIZING SUBSTANCES EMERGENCY RESPONSE** Fire Small fire **USE FLOODING QUANTITIES OF WATER.** • Do not use dry chemicals, CO₂ or foam. • If safe to do so, move undamaged containers from fire area. **Do not** move cargo if cargo has been exposed to heat. . Large fire Flood fire area with water from a protected position. ٠ Cool containers with flooding quantities of water until well after fire is out - If impossible, withdraw from area and let fire burn. Avoid getting water inside containers: a violent reaction may occur. . Dam fire control water for later disposal. . ALWAYS stay away from tank ends. ٠ Spill or leak Do not contaminate. . Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled . material Do not touch damaged containers or spilled material unless wearing . appropriate protective clothing. Use water spray to knock down vapours or divert vapour clouds. ٠ Prevent entry into waterways, drains or confined areas. • Prevent exposure to heat. Drv spill • Use clean non-sparking tools to transfer material to a clean, dry plastic container and cover loosely. Move container from spill area. Small liquid spill Use a non-combustible material like vermiculite, sand or earth to soak up the product and place in a loosely-covered container for later disposal. Large liquid spill . SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. First aid . Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. Remove material from skin immediately. . In case of contact with material, immediately flush skin or eves with running . water for at least 15 minutes. Keep victim warm and guiet - Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 32	ORGANIC PEROXIDES
HAZARDS	
Fire or explosion	 May explode from heating, shock, friction or contamination. Some will react explosively with hydrocarbons (fuels). May ignite combustibles (wood, paper, clothing, and so on). May be ignited by heat, sparks or flames. May burn rapidly with flare-burning effect. Fire will produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create fire or explosion hazard.
Health PROTECTIVI	 Contact of vapour or substance with eyes may cause blindness within minutes. PROTECT EYES UNTIL DECONTAMINATION IS OVER. Inhalation or contact with vapour, dusts or substance may cause severe injury, burns or death. Toxic fumes or dust may accumulate in confined areas (basements, tanks, silos, and so on). Runoff from fire control or dilution water may pollute waterways. ELOTHING Wear SCBA and chemical splash suit.
	 Structural firefighter's uniform will only provide limited protection.
PUBLIC SAF	• IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER).
	 Spill or leak area should be isolated immediately for at least 250 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 100 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

GUIDE 32 ORGANIC PEROXIDES

EMERGENCY	(RESPONSE
Fire	 Small fire Use water spray, foam, CO₂ or dry chemical. Do not use water jets. If safe to do so, move undamaged containers from fire area. Do not move cargo if cargo has been exposed to heat. Large fire Flood fire area with water from a distance. Fight fire from protected position or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out – If impossible, withdraw from area and let fire burn. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled material. Do not touch or walk through spilled material. Keep substance wet using water spray. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Use water spray to knock down vapours or divert vapour clouds. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. Absorb with earth, sand or other non-combustible material and transfer to container.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. Remove material from skin immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of product(s) involved, and take precautions to protect themselves.

GUIDE 33	ORGANIC PEROXIDES Temperature controlled
HAZARDS	
Fire or explosion	 Particularly sensitive to temperature rises – Above a given control temperature they decompose violently and catch fire – The specific control temperature must not be exceeded. May explode from heating, shock, friction or contamination. May ignite combustibles (wood, paper, clothing, and so on). May be ignited by heat, sparks or flames. May burn rapidly with flare-burning effect. Fire may produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Runoff may create fire or explosion hazard.
Health	 Contact with vapour or substance may cause severe burns to eyes. Inhalation, ingestion or contact with substance may cause severe injury or death.
	Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	ECLOTHING
	Wear SCBA and chemical splash suit.Structural firefighter's uniform will provide limited protection.
PUBLIC SAF	ЕТҮ
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). DO NOT ALLOW THE SUBSTANCE TO WARM UP. The specified control temperature must not be exceeded at any time. Use dry ice or ice for cooling where necessary – Mains water supply is not usually a suitable cooling medium. Water must only be used for cooling when the control temperature of the substance is higher than the water temperature. If temperature cannot be controlled, consider evacuation. Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 300 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 1000 m in all directions.

ORGANIC PEROXIDES GUIDE 33 Temperature controlled

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EMERGENCY RESPONSE Water must only be used for cooling where the control temperature of the substance is higher than the water temperature. Fire Small fire Use water spray, foam, CO₂ or dry chemical. Do not use water jets. Do not move cargo if cargo has been exposed to heat. ٠ Large fire Flood fire area with water from a distance. . If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. When impossible, withdraw from area and let fire burn. BEWARE OF POSSIBLE CONTAINER EXPLOSION. ٠ ALWAYS stav away from tank ends. Spill or leak ELIMINATE all ignition sources (no smoking, flares, sparks or flames in ٠ immediate area). Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled . material. Do not touch or walk through spilled material. . Keep substance wet using water spray. . Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Use water spray to knock down vapours or divert vapour clouds. . . Use clean non-sparking tools to collect material and place it into looselycovered plastic containers for later disposal. Absorb with earth, sand or other non-combustible material and transfer to container. . SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. First aid Remove victim to fresh air – Apply resuscitation if victim is not breathing – . Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. ٠ . Remove material from skin immediately. . In case of contact with material, immediately flush skin or eves with running water for at least 15 minutes Keep victim warm and guiet - Obtain immediate medical care.

Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 34 TOXIC SUBSTANCES

HAZARDS	
Fire or explosion	 Material does not burn. Fire or heat will produce irritating, toxic, and/or corrosive gases. Runoff may pollute waterways.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Inhalation, ingestion or contact with substance may cause severe injury or death. Effects of contact or inhalation may be delayed. Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.
PROTECTIVE	CLOTHING
	 Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 34 TOXIC SUBSTANCES

EMERGENCY RESPONSE		
Fire	 Small fire Use dry chemical, CO₂ or water spray. If safe to do so, move undamaged containers from fire area. Large fire Use water spray, fog or foam – Do not use water jets. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends. 	
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Cover with plastic sheet to prevent spreading. Absorb with earth, sand or other non-combustible material and transfer to container. DO NOT GET WATER INSIDE CONTAINERS. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. 	
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER). 	

GUIDE 35	TOXIC AND COMBUSTIBLE SUBSTANCES
HAZARDS	
Fire or explosion	 May burn but do not ignite readily. Containers may explode when heated. Runoff may pollute waterways. May be transported in a molten form. Fire will produce irritating, toxic, and/or corrosive gases. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Inhalation, ingestion or contact with substance may cause severe injury or death. Effects of contact or inhalation may be delayed. Contact with molten substance may cause severe burns. Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.
PROTECTIVE	E CLOTHING
	 Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 35 TOXIC AND COMBUSTIBLE SUBSTANCES **EMERGENCY RESPONSE** Fire Small fire . Use dry chemical, CO₂ or water spray. ٠ If safe to do so, move undamaged containers from fire area. Large fire Use water spray, fog or foam – Do not use water jets. . Cool containers with flooding quantities of water until well after fire is out. . Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends. ٠ ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within Spill or leak at least 15 m. Do not touch or walk through spilled material. ٠ Do not touch damaged containers or spilled material unless wearing . appropriate protective clothing. Stop leak if safe to do so - Prevent entry into waterways, drains or confined ٠ areas. Cover with plastic sheet to prevent spreading. Absorb with earth, sand or other non-combustible material and transfer to container DO NOT GET WATER INSIDE CONTAINERS SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL. First aid Remove victim to fresh air – Apply resuscitation if victim is not breathing – . Do not use direct mouth-to-mouth method if victim indested or inhaled the substance; use alternative respiratory method or proper respiratory device -Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running . water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet - Obtain immediate medical care - Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 36	TOXIC AND/OR CORROSIVE SUBSTANCES Combustible
HAZARDS	
Fire or explosion	 May burn but do not ignite readily. Containers may explode when heated. When heated, vapours may form explosive mixtures with air. Contact with metals may evolve flammable hydrogen gas. Runoff may pollute waterways. May be transported in a molten form. Fire will produce irritating, toxic, and/or corrosive gases. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Inhalation, ingestion or contact with substance may cause severe injury or death. Contact with molten substance may cause severe burns. Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.
PROTECTIVI	ECLOTHING
	 Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 36 TOXIC AND/OR CORROSIVE SUBSTANCES Combustible

Fire	 Small fire Use dry chemical, CO₂ or water spray. If safe to do so, move undamaged containers from fire area. Large fire Use dry chemical, CO₂, foam or water spray – Do not use water jets. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 15 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Cover with plastic sheet to prevent spreading. Absorb with earth, sand or other non-combustible material and transfer to container. DO NOT GET WATER INSIDE CONTAINERS. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 37	TOXIC AND/OR CORROSIVE SUBSTANCES Non-combustible
HAZARDS	
Fire or explosion	 Material does not burn. Fire or heat will produce irritating, toxic, and/or corrosive gases. Containers may explode when heated. Some may ignite combustibles (wood, paper, clothing, and so on) Contact with metals may evolve flammable hydrogen gas. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Inhalation, ingestion or contact with substance may cause severe injury or death. Contact with molten substance may cause severe burns. Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.
PROTECTIVE	E CLOTHING
	 Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 37 TOXIC AND/OR CORROSIVE SUBSTANCES Non-combustible

EMERGENCY RESPONSE

Fire	 Small fire Use dry chemical, CO₂ or water spray. If safe to do so, move undamaged containers from fire area. Large fire Use dry chemical, CO₂, foam or water spray – Do not use water jets. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 50 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimise spreading or contact with rain. DO NOT GET WATER INSIDE CONTAINERS.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 38	HIGHLY FLAMMABLE / FLAMMABLE, TOXIC AND/OR CORROSIVE SUBSTANCES (Water reactive)
HAZARDS	
Fire or explosion	 HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flame. Will react with water (some violently) releasing flammable, toxic, and/or corrosive gases and runoff. Vapours will form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated or contaminated with water. Fire will produce irritating, toxic, and/or corrosive gases. Vapours from runoff may create explosion hazard. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Inhalation, ingestion or contact with vapours, dusts or material may cause severe injury or death. Effects of contact or inhalation may be delayed. Reaction with water or moist air will release toxic, corrosive or flammable gases. Reaction with water may generate heat which will increase the concentration of fumes in the air. Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.
PROTECTIV	E CLOTHING
	 Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 38 HIGHLY FLAMMABLE / FLAMMABLE, TOXIC AND/OR CORROSIVE SUBSTANCES (Water reactive)

Fire	 Small fire Use CO₂, dry chemical, dry sand or alcohol foam. If safe to do so, move undamaged containers from fire area. Large fire Use alcohol foam, fog or water spray – Do not use water jets. Fight fire from protected position or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Fire involving tanks Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 50 m – All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours – Water spray may be used to knock down or divert vapour clouds. DO NOT GET WATER INSIDE CONTAINERS. Small spill Cover with DRY earth, and or other non-combustible material followed by plastic sheet to minimise spreading or contact with rain. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 39	TOXIC AND/OR CORROSIVE SUBSTANCES Combustible – Water reactive
HAZARDS	
Fire or explosion	 Will burn but do not ignite readily. Will react with water (some violently) releasing flammable, toxic, and/or corrosive gases and runoff. When heated, vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Containers may explode when heated or contaminated with water. Fire will produce irritating, toxic, and/or corrosive gases. Some may decompose explosively (D) or polymerise violently (P) when heated or involved in a fire.
Health	 TOXIC, MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Inhalation, ingestion or contact with vapours, dusts or material may cause severe injury or death. Effects of contact or inhalation may be delayed. Reaction with water or moist air will release toxic, corrosive or flammable gases. Reaction with water may generate heat which will increase the concentration of fumes in the air. Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.
PROTECTIVE	E CLOTHING
PUBLIC SAF	 Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 39 TOXIC AND/OR CORROSIVE SUBSTANCES Combustible – Water reactive

Fire	NOTE – Foams contain water and may react with the material, releasing corrosive, flammable or toxic gases.
	Small fire
	 Use CO₂, dry chemical, dry sand or alcohol foam.
	 If safe to do so, move undamaged containers from fire area.
	Large fire
	 Use alcohol foam, fog or water spray– Do not use water jets.
	 Fight fire from protected position or use unmanned hose holders or monitor nozzles.
	Cool containers with flooding quantities of water until well after fire is out.
	Avoid getting water inside containers.
	Fire involving tanks
	 Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank.
	• ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 50 m.
	Do not touch or walk through spilled material.
	Do not touch damaged containers or spilled material unless wearing
	appropriate protective clothing.
	• Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.
	 Vapour-suppressing foam may be used to control vapours – Water spray may be used to knock down or divert vapour clouds – Do not direct water at spill or source of leak.
	Small spill
	 Cover with DRY earth, and or other non-combustible material followed by plastic sheet to minimise spreading or contact with rain.
	Use clean non-sparking tools to collect material and place it into loosely-
	covered plastic containers for later disposal.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult.
	Remove contaminated clothing and shoes immediately.
	 In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes.
	 For minor skin contact, avoid spreading material on unaffected skin.
	 Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.
	CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 40	TOXIC AND/OR CORROSIVE SUBSTANCES Non-combustible – Water reactive
HAZARDS	
Fire or explosion	 Does not burn but may produce toxic and/or corrosive fumes upon heating. Heat of reaction may be enough to ignite combustible materials. Will react with water (some violently) releasing flammable, toxic, and/or corrosive gases and runoff. Contact with metals may evolve flammable hydrogen gas. Fire will produce irritating, toxic, and/or corrosive gases. Runoff may pollute waterways. May be transported in a molten form. Containers may explode when heated or contaminated with water.
Health	 Inhalation, ingestion or contact with substance may cause severe injury or death. Contact with molten substance may cause severe burns. Reaction with water may generate heat which will increase the concentration of fumes in the air. Vapours may accumulate in confined areas (drains, basements, tanks, hoppers). Runoff from fire control or dilution water may be toxic, and/or corrosive and pollute waterways.
PROTECTIVE	CLOTHING
	 Wear SCBA and chemical splash suit. Structural firefighter's uniform is NOT effective for these materials.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Ventilate enclosed spaces before entering.
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 250 m. Fire When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 40 TOXIC AND/OR CORROSIVE SUBSTANCES Non-combustible – Water reactive

Fire	 When material is not involved in fire, do not use water on material itself. Small fire Use CO₂ (except for barium oxide), dry chemical, dry sand or flooding quantities of water. If safe to do so, move undamaged containers from fire area. Large fire Flood fire area with large quantities of water while knocking down vapours with water fog – If insufficient water supply, knock down vapours only. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Fire involving tanks Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours – Water spray may be used to knock down or divert vapour clouds. DO NOT GET WATER INSIDE CONTAINERS. Small spill Cover with DRY earth, and or other non-combustible material followed by plastic sheet to minimise spreading or contact with rain. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

INFECTIOUS SUBSTANCES **GUIDE 41** HAZARDS Fire or • Some are transported in highly flammable liquids. explosion • May contain materials of other classes for example toxic, corrosives and combustibles Health Inhalation or contact with substance may cause infection, disease or death. . . Runoff from fire control or dilution water may pollute waterways. NOTE - Damaged packages containing solid CO₂ as a refrigerant are likely to produce water or frost from condensation of air. Do not touch this liquid as it could be contaminated by the contents of the package. **PROTECTIVE CLOTHING** Wear SCBA and chemical splash suit. • Structural firefighter's uniform will provide limited protection. • **PUBLIC SAFETY** IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). . Spill or leak area should be isolated immediately for at least 25 m in all • directions. Keep unauthorised personnel away. . Keep upwind and to higher ground. . Obtain identity of material(s) involved. . Evacuation Fire • When any large containers (including rail and road tankers) are involved in a fire, consider initial evacuation of areas within 100 m in all directions.

GUIDE 41 INFECTIOUS SUBSTANCES

EMERGENCY	(RESPONSE
Fire	 Small fire Use dry chemical, soda ash or lime. Large fire Use extinguishing agent suitable for type of surrounding fire.
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains or confined areas. Absorb with earth, sand or other non-combustible material and transfer to container. Cover damaged packages or spilled material with cloth wetted with bleach or other disinfectant and add additional bleach once covered. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to safe isolated area. Caution: Victim may be a source of contamination. Remove and isolate contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. CONTACT LOCAL HEALTH AUTHORITY FOR FURTHER ADVICE. Shower and wash with soap and water. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 42	RADIOACTIVE MATERIALS	
HAZARDS		
Fire or explosion	 RADIOACTIVE MATERIALS MAY ALSO BE FLAMMABLE, TOXIC, CORROSIVE OR REACTIVE. Fire may produce radioactive and toxic gases and dusts. Radioactivity does not affect flammability or any other properties of the materials. 	
Health	 Inhalation of gases or airborne particles, ingestion or contact with radioactive material will result in contamination. May be toxic and/or corrosive to skin. Prolonged exposure may cause severe injury or death. Degree of radiation hazard will vary from high to low, depending on the type and quantity of radioactive material and type of packaging. Some radioactive materials cannot be detected by commonly available instruments. Effects of contact or inhalation may be delayed. Runoff from fire control or dilution water may pollute waterways. 	
PROTECTIVE	CLOTHING	
	 Wear SCBA and chemical splash suit. Structural firefighter's uniform is NOT effective for these materials. Maximize use of shielding and distance between material and personnel. Limit entry to shortest possible time. Alternate persons for entry if possible. 	
PUBLIC SAFETY		
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Isolate any uninjured person and equipment suspected of being contaminated and delay any clean-up procedures until instructed by the National Radiation Laboratory (NRL)/Health Department. 	
Evacuation	 Fire When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 800 m in all directions. 	

GUIDE 42	RADIOACTIVE MATERIALS
EMERGENCY	(RESPONSE
Fire	 Maximise use of shielding and distance between radioactive material and personnel. Limit entry into contaminated areas to shortest possible time. Alternate persons for entry into contaminated areas if possible. DO NOT USE WATER OR FOAM ON MATERIAL ITSELF. Small fire Use dry chemical, CO₂, water spray or foam. If safe to do so, move undamaged containers from fire area. Large fire Use water spray, fog or foam. Do not scatter material. Dam fire-control water for later disposal. Do not move damaged containers or packages. Cool containers with flooding quantities of water until well after fire is out.
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains or confined areas. Cover powder spill with plastic sheet or tarp to minimise spreading. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to safe isolated area – Wrap victim in sheet or blanket before transporting. Caution: Victim may be a source of contamination. Remove and isolate contaminated clothing and shoes immediately. Isolate any material used for victim care for later disposal according to instructions of National Radiation Laboratory (NRL)/Health Department. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. Shower and wash with soap and water. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 43 RADIOACTIVE MATERIALS Low level of radiation HAZARDS Fire or • **RADIOACTIVE MATERIALS MAY ALSO BE FLAMMABLE, TOXIC, CORROSIVE** OR REACTIVE. explosion May burn but do not ignite readily. . . Fire may produce radioactive and toxic gases and dusts. . Radioactivity does not affect flammability or any other properties of the materials Health Inhalation of gases or airborne particles, ingestion or contact with radioactive ٠ material will result in contamination. • Degree of radiation hazard will vary from high to low, depending on the type and quantity of radioactive material and type of packaging. Some radioactive materials cannot be detected by commonly available • instruments. Effects of contact or inhalation may be delayed. ٠ • Runoff from fire control or dilution water may pollute waterways. **PROTECTIVE CLOTHING** Wear SCBA and chemical splash suit. . Structural firefighter's uniform is NOT effective for these materials. • Maximize use of shielding and distance between material and personnel. . Limit entry to shortest possible time. PUBLIC SAFETY IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). . Spill or leak area should be isolated immediately for at least 15 m in all . directions. Keep unauthorised personnel away. ٠ Keep upwind and to higher ground. • Isolate any uniniured person and equipment suspected of being contaminated . and delay any clean-up procedures until instructed by the National Radiation Laboratory (NRL)/Health Department. Evacuation Fire • When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 43	RADIOACTIVE MATERIALS Low level of radiation
EMERGENCY	/ RESPONSE
Fire	 Maximise use of shielding and distance between radioactive material and personnel. Limit entry into contaminated areas to shortest possible time. Alternate persons for entry into contaminated areas if possible. Small fire Use dry chemical, CO₂, water spray or foam. If safe to do so, move undamaged containers from fire area. Large fire Use water spray, fog or foam. Do not scatter material. Dam fire-control water for later disposal. Do not move damaged containers or packages. Cool containers with flooding quantities of water until well after fire is out.
Spill or leak	 Do not direct water at source of spill or leak as this will scatter the material. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains or confined areas. Cover powder spill with plastic sheet or tarp to minimise spreading. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to safe isolated area – Wrap victim in sheet or blanket before transporting. Caution: Victim may be a source of contamination. Remove and isolate contaminated clothing and shoes immediately. Isolate any material used for victim care for later disposal according to instructions of National Radiation Laboratory (NRL)/Health Department. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. Shower and wash with soap and water. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 44	RADIOACTIVE MATERIALS Oxidizing
HAZARDS	
Fire or explosion	 May ignite combustibles (wood, paper, clothing, and so on). Will accelerate burning when involved in a fire. Fire may produce radioactive and toxic gases and dusts. Radioactivity does not affect flammability or any other properties of the materials. Runoff may create fire or explosion hazard.
Health	 Contact with material may cause severe burns. Inhalation of gases or airborne particles, ingestion or contact with radioactive material will result in contamination. Degree of radiation hazard will vary from high to low, depending on the type and quantity of radioactive material and type of packaging. Some radioactive materials cannot be detected by commonly available instruments. Effects of contact or inhalation may be delayed. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	CLOTHING
	 Wear SCBA and chemical splash suit. Structural firefighter's uniform is NOT effective for these materials. Maximize use of shielding and distance between material and personnel. Limit entry to shortest possible time.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Isolate any uninjured person and equipment suspected of being contaminated and delay any clean-up procedures until instructed by the National Radiation Laboratory (NRL)/Health Department.
Evacuation	 Fire When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 44	RADIOACTIVE MATERIALS Oxidizing
EMERGENCY	/ RESPONSE
Fire	 Maximise use of shielding and distance between radioactive material and personnel. Limit entry into contaminated areas to shortest possible time. Alternate persons for entry into contaminated areas if possible. Small fire Do not use dry chemicals, CO₂ or foam. If safe to do so, move undamaged containers from fire area. Do not move damaged containers or packages. Large fire Flood fire area with water from a protected position. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Dam fire control water for later disposal.
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep combustibles (wood, paper, clothing, oil, and so on) away from spilled material. Cover powder spill with plastic sheet or tarp to minimise spreading. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to safe isolated area – Wrap victim in sheet or blanket before transporting. Caution: Victim may be a source of contamination. Remove and isolate contaminated clothing and shoes immediately. Isolate any material used for victim care for later disposal according to instructions of National Radiation Laboratory (NRL)/Health Department. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. Shower and wash with soap and water. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 45	RADIOACTIVE MATERIALS Spontaneously combustible (pyrophoric)
HAZARDS	
Fire or explosion	 Will ignite spontaneously when exposed to air. Extremely flammable. May burn rapidly with flare-burning effect. May re-ignite after fire is extinguished. Fire may produce radioactive and toxic gases and dusts. Containers may explode when heated. Radioactivity does not affect flammability or any other properties of the materials.
Health	 Low level radioactive material: degree of radiation hazard to personnel is low. Inhalation of gases or airborne particles, ingestion or contact with radioactive material will result in contamination. Some radioactive materials cannot be detected by commonly available instruments. Effects of contact or inhalation may be delayed. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVE	CLOTHING
	 Wear SCBA and chemical splash suit. Structural firefighter's uniform is NOT effective for these materials. Maximize use of shielding and distance between material and personnel. Limit entry to shortest possible time. Alternate persons for entry if possible.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Isolate any uninjured person and equipment suspected of being contaminated and delay any clean-up procedures until instructed by the National Radiation Laboratory (NRL)/Health Department.
Evacuation	 Fire When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 45	RADIOACTIVE MATERIALS Spontaneously combustible (pyrophoric)
EMERGENCY	/ RESPONSE
Fire	 Maximise use of shielding and distance between radioactive material and personnel. Limit entry into contaminated areas to shortest possible time. Alternate persons for entry into contaminated areas if possible. D0 NOT USE WATER OR FOAM. Small fire Use dry chemical, DRY sand or calcium/magnesium fluoride. If safe to do so, move undamaged containers from fire area. Do not move damaged containers or packages. Large fire Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Dam fire control water for later disposal.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains or confined areas. Cover powder spill with plastic sheet or tarp to minimise spreading. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to safe isolated area – Wrap victim in sheet or blanket before transporting. Caution: Victim may be a source of contamination. Remove and isolate contaminated clothing and shoes immediately. Isolate any material used for victim care for later disposal according to instructions of the National Radiation Laboratory (NRL)/Health Department. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. Shower and wash with soap and water. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 46	RADIOACTIVE MATERIALS Uranium hexafluoride UF6 (water reactive)
HAZARDS	
Fire or explosion	 Does not burn. Reacts violently with water to produce toxic and corrosive hydrogen fluoride gas. Containers may explode when heated. Radioactivity does not affect flammability or any other properties of the material.
Health	 Low level radioactive material: degree of radiation hazard to personnel is low. Some radioactive materials cannot be detected by commonly available instruments. Effects of contact or inhalation may be delayed. Reacts violently with water and water vapour in air to form a white cloud of highly corrosive and toxic hydrogen fluoride gas and an extremely irritating residue. Prolonged exposure may cause severe injury or death. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVI	E CLOTHING
	 Wear SCBA and chemical splash suit. Structural firefighter's uniform is NOT effective for these materials. Maximize use of shielding and distance between material and personnel. Limit entry to shortest possible time. Alternate persons for entry if possible.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 50 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. Isolate any uninjured person and equipment suspected of being contaminated and delay any clean-up procedures until instructed by the National Radiation Laboratory (NRL)/Health Department.
Evacuation	 Fire When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 800 m in all directions.

GUIDE 46	RADIOACTIVE MATERIALS Uranium hexafluoride UF6 (water reactive)
EMERGENCY	(RESPONSE
Fire	 Maximise use of shielding and distance between radioactive material and personnel. Limit entry into contaminated areas to shortest possible time. Alternate persons for entry into contaminated areas if possible. DO NOT USE WATER OR FOAM ON MATERIAL ITSELF. Small fire Use dry chemical or CO₂. If safe to do so, move undamaged containers from fire area. Do not move damaged containers or packages. Large fire Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Dam fire control water for later disposal.
Spill or leak	 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains or confined areas. Use pressurized CO₂ to blanket spilled material when confined. Use pressurized CO₂ or solid CO₂ (dry ice) to freeze leak at source. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to safe isolated area – Wrap victim in sheet or blanket before transporting. Caution: Victim may be a source of contamination. Remove and isolate contaminated clothing and shoes immediately. Isolate any material used for victim care for later disposal according to instructions of the National Radiation Laboratory (NRL)/Health Department. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. Shower and wash with soap and water. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. Effects of exposure (inhalation, ingestion or skin contact) may be delayed.

GUIDE 47	LOW TO MODERATE HAZARD SUBSTANCES
HAZARDS	
Fire or explosion	 May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, toxic, and/or corrosive fumes. Containers may explode when heated.
Health	 Inhalation or contact with substance may be harmful. Inhalation of asbestos dust may damage the lungs. Runoff from fire control or dilution water may pollute waterways. Substances may be stored or transported hot – Contact with substance may result in severe burns.
PROTECTIVE	E CLOTHING
	Wear SCBA and chemical splash suit.SCBA and structural firefighter's uniform may provide limited protection.
PUBLIC SAF	ETY
	 Spill or leak area should be isolated immediately for at least 10 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	Fire • When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 100 m in all directions.

GUIDE 47	LOW TO MODERATE HAZARD SUBSTANCES
EMERGENCY	Y RESPONSE
Fire	 Small fire Use dry chemical, CO₂, water spray or foam. Large fire Use water spray, fog or foam. If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Water spray may be used to knock down or divert vapour clouds. Prevent dust cloud. Avoid inhalation of asbestos dust. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. Remove material from skin immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.

GUIDE 48 POLYCHLORINATED BIPHENYLS (PCBs) HAZARDS • May burn but do not ignite readily. Fire or explosion • Fire may produce irritating, toxic, and/or corrosive fumes. Health • Inhalation or contact with substances may be harmful. Runoff from fire control or dilution water may pollute waterways. • **PROTECTIVE CLOTHING** Wear SCBA and chemical splash suit. • • Structural firefighter's uniform will provide limited protection. **PUBLIC SAFETY** Spill or leak area should be isolated immediately for at least 15 m in all • directions. Keep unauthorised personnel away. . . Keep upwind. Evacuation Large spill ٠ Consider initial downwind evacuation of areas within at least 50 m. Fire • When a large quantity of this material is involved in a major fire, consider initial evacuation of areas within 100 m in all directions.

GUIDE 48	POLYCHLORINATED BIPHENYLS (PCBs)
EMERGENCY	(RESPONSE
Fire	 Small fire Use dry chemical, CO₂, water spray or foam. If safe to do so, move undamaged containers from fire area. Large fire Use water spray, fog or foam. Cool containers with flooding quantities of water until well after fire is out. Fire involving tanks Fight fire from protected position or use unmanned hose holders or monitor nozzles. Dam fire control water for later disposal. Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. ALWAYS stay away from tank ends.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 50 m. Do not touch or walk through spilled material. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Small spill Absorb with earth, sand or other non-combustible material and transfer to container. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. Remove material from skin immediately. In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. Keep victim warm and quiet – Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.

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GUIDE 49	AEROSOL DISPENSERS
HAZARDS	
Fire or explosion	 Heat or damage to containers may release flammable gases. Containers will explode when heated – Ruptured containers will rocket. Released gases may form explosive mixtures with air in a confined space. Released gases may travel to source of ignition and flash back. Fire may produce irritating, toxic, and/or corrosive gases.
Health	 High concentration of gas may cause dizziness or asphyxiation without warning. Some released gases are irritating, toxic or corrosive in high concentrations. Products released by the aerosol may be flammable, irritating, toxic, and corrosive.
PROTECTIVI	E CLOTHING
	 Wear SCBA and protective gloves. Structural firefighter's uniform will provide limited protection. If large amounts, or corrosive or toxic products are involved, wear SCBA and chemical splash suit.
PUBLIC SAF	ETY
	 Spill or leak area should be isolated immediately for at least 8 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground.
Evacuation	Fire • When any large load is involved in a fire, consider initial evacuation of areas within 100 m in all directions.

GUIDE 49 AEROSOL DISPENSERS

EMERGENCY	YRESPONSE
Fire	 Small fire Use water spray, dry chemical or CO₂. Large fire Use water spray or fog. Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area – Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.
Spill or leak	 ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 15 m. All equipment used when handling the product must be earthed. If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate the area.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE (SEE INSIDE BACK COVER).

GUIDE 50	AMMONIUM NITRATE				
HAZARDS					
Fire or explosion	 Will not burn but will increase intensity of a fire. May react dangerously with hydrocarbons (fuels), organic matter, other contaminants or when hot, molten and confined: to form a mass explosive of Division 1.1. In this condition it should be treated as an explosive (see Guide O2) and the explosive public safety evacuation distances apply. May explode from heating or detonation if contaminated or confined. Fire may produce irritating, toxic, and/or corrosive gases. Rigid containers may explode when strongly heated. FIBCs will melt and not contain pressure under similar conditions. Runoff may create fire hazard. 				
Health	When exposed to fierce heat, toxic oxides of nitrogen are given off.Runoff from fire control or dilution water may pollute waterways.				
PROTECTIVI	E CLOTHING				
PUBLIC SAF	 In absence of fire, wear overalls, safety glasses and protective gloves. In presence of fire, wear SCBA and chemical splash suit. Structural firefighter's uniform will provide limited protection. 				
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). In Australia, tell them 'Security Sensitive Ammonium Nitrate is involved in the incident.' Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. 				
Evacuation	 Large spill Consider initial downwind evacuation of areas within 100 m. Large fire Consider initial evacuation of areas within at least 800 m in all directions. 				

GUIDE 50 AMMONIUM NITRATE

EMERGENCY RESPONSE Fire Small fire Use flooding quantities of water, delivered as a heavy spray, Maintain flow of water until mass has cooled. **Do not** use dry chemical or CO₂ or foam. ٠ If safe to do so, move undamaged containers from fire areas. . Large fire Flood fire areas with water from protected position or use unmanned hose holders or monitor nozzles. If impossible to extinguish fire, protect surroundings, withdraw from area and . allow fire to burn. Do not attempt to smother smouldering spillage in any way. Ensure that any molten road bitumen has been adequately cooled with water . before allowing graders and so on to work on clean-up Do not contaminate material. Spill or leak . • Keep combustibles (oil, fuel, wood, paper, clothing) away from spilled material. Do not touch or walk through spilled material unless wearing appropriate . protective clothing. Prevent entry into waterways, drains or confined areas. Prevent exposure to heat. Use clean tools to transfer material to clean, dry plastic container and cover . loosely. Move container from spill area. Remove victim to fresh air – Apply resuscitation if victim is not breathing – First aid . Administer oxygen if breathing is difficult. • Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eves or skin with running . water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. . Keep victim warm and quiet - Obtain immediate medical care - Ensure that . attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE

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GUIDE 51	AMMONIUM NITRATE EMULSION, GEL or SUSPENSION, intermediate for blasting explosives (UN 3375)						
HAZARDS							
Fire or explosion	 Will burn when involved in an intense fire. May become sensitized with hydrocarbons (fuels), organic matter, other contaminants or when hot, molten and confined; to form a mass explosive of Division 1.1. In this condition it should be treated as an explosive (see Guide 02) and the explosive public safety evacuation distances apply. May explode from heating, shock, friction or contamination. Fire may produce irritating, toxic, and/or corrosive gases. Containers and trucks may explode when heated. Runoff may create fire or explosion hazard. May decompose explosively (D) when heated or involved in a fire. 						
Health	 Inhalation or contact with vapour arising from a fire may cause severe injury, burns or death. Runoff from fire control or dilution water may pollute waterways. 						
PROTECTIV	DTECTIVE CLOTHING						
	 Wear SCBA and structural firefighter's uniform if product is burning. For cleanup duties where product is not burning, wear overalls, boots, safety glasses and impervious gloves. 						
PUBLIC SAF	ETY						
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). In Australia, tell them 'Security Sensitive Ammonium Nitrate is involved in the incident.' Spill or leak area should be isolated immediately for at least 25 m in all directions. Keep unauthorised personnel away. Keep upwind and to higher ground. 						
Evacuation	 Large spill Consider initial downwind evacuation of areas within at least 100 m. Large fire When any large container (including road or rail tankers) is involved in a fire, consider initial evacuation of areas within at least 1000 m in all directions. 						

GUIDE 51 AMMONIUM NITRATE EMULSION, GEL or SUSPENSION, intermediate for blasting explosives (UN 3375)

EMERGENCY RESPONSE

Fire	 Small fire Consider initial evacuation of areas within 500 m in all directions. Otherwise, use flooding quantities of water, delivered as a fine spray to control fire and cool adjacent areas. Do not use dry chemical or CO₂ or foam. If safe to do so, move undamaged containers from fire area. Do not move cargo if it has been exposed to heat. Large fire Withdraw personnel and evacuate area within a 1000 m radius. Do not enter this zone until at least 1 hour after cessation of visible fire.
Spill or leak	 Do not contaminate material. Stop leak if safe to do so. Keep combustibles (oil, fuel, wood, paper, clothing) away from spilled material. Do not touch or walk through spilled material unless wearing appropriate protective clothing (overalls, safety glasses and impervious gloves). Prevent entry into waterways, drains or confined areas. Prevent exposure to heat. Avoid breathing vapours and contact with skin and eyes. Place spilt material into clean containers for later disposal. After clean-up, flush area with water. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Wash affected skin thoroughly with soap and water. If skin is burnt, immerse affected area in water for 10 to 15 minutes – Treat for shock if necessary and bandage lightly with sterile dressing. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE.

GUIDE 52	DESENSITISED EXPLOSIVES – Liquids, solids and wetted solids
HAZARDS	
Fire or explosion	 May be ignited by heat sparks or flames. Will burn when involved in a fire. May explode from intense heating, shock, friction or contamination. Keep material wet with water or treat as an explosive (see Guide 02). Dried out material may explode when exposed to heat, flame, friction or shock. In this condition, treat as an explosive (see Guide 02). Where packaging is damaged or broken, treat as an explosive (see Guide 02). Fire may produce irritating, toxic, and/or corrosive gases. Runoff may create fire or explosion hazard.
Health	 Inhalation or contact with vapour arising from a fire may cause severe injury, burns or death. Runoff from fire control or dilution water may pollute waterways.
PROTECTIVI	E CLOTHING
	 SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers where there is no risk of ignition. SCBA and structural firefighting uniform provide limited protection where there is a risk of ignition.
PUBLIC SAF	ETY
	 IMMEDIATELY CONTACT POLICE OR FIRE BRIGADE (SEE INSIDE BACK COVER). Spill or leak area should be isolated immediately for at least 100 m in all directions. Keep unauthorised personnel away. Keep upwind and at higher ground. Ventilate closed spaces before entering.
Evacuation	 Large spill Consider evacuating areas downwind within 100 m. Contain spill. Large fire When any large container is involved in a fire, consider initial evacuation for at least 1000 m in all directions.

GUIDE 52	DESENSITISED EXPLOSIVES – Liquids, solids and wetted solids
EMERGENCY	/ RESPONSE
Fire	 Small fire Consider initial evacuation of areas within 500 m in all directions. Otherwise, use flooding quantities of water, delivered as a fine spray to control fire and cool adjacent areas. If safe to do so, move undamaged containers from fire area. Do not move cargo if it has been exposed to heat. Large fire Withdraw personnel and evacuate area within a 1000 m radius. When any large container is on fire, do not fight fire and evacuate. Do not enter this zone until at least 1 hour after cessation of visible fire.
Spill or leak	 Eliminate all sources of ignition. All equipment used when handling the product must be earthed. Keep product wetted. Do not contaminate material. Stop leak if safe to do so. Keep combustibles (oil, fuel, wood, paper, clothing) away from spilled material. Do not touch or walk through spilled material unless wearing appropriate protective clothing (overalls, safety glasses and impervious gloves). Prevent entry into waterways, drains or confined areas. Prevent exposure to heat. Avoid breathing vapours and contact with skin and eyes. Place spilt material into clean containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
First aid	 Remove victim to fresh air – Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult. Remove contaminated clothing and shoes immediately. In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Wash affected skin thoroughly with soap and water. If skin is burnt, immerse affected area in water for 10 to 15 minutes – Treat for shock if necessary and bandage lightly with sterile dressing. Keep victim warm and quiet – Obtain immediate medical care – Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves. CONTACT POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE FOR FURTHER ADVICE.

NOTES

14. FIRST AID FOR CHEMICAL INCIDENTS

The following information outlines first aid for most dangerous goods incidents, except those involving radioactive substances. Different or additional measures to those given below are noted in the Guides. This section gives basic first aid information only, and is intended only as an immediate response to an incident until competent medical personnel can take over treatment.

Many chemicals have a rapid effect on people, so speed of response is vital. However, some substances may have a delayed effect.

Persons exposed to dangerous goods should be examined by competent medical personnel as soon as possible.

The five most common ways that people are exposed to a chemical are:

- (a) **Inhalation** breathing in the substance;
- (b) **Ingestion** swallowing the substance;
- (c) Skin contact having the substance touch the skin;
- (d) **Eye contact** getting the substance in the eyes;
- (e) Injection the skin being broken and the substance penetrating the skin.

It is important to recognise that not everyone injured in an incident involving dangerous goods has necessarily been exposed. Where possible, the level of exposure and the identity of the dangerous goods involved should be determined.

In all cases:

- (f) Remove the victim from contaminated area (if safe to do so);
- (g) Keep the victim warm and quiet;
- (h) Treat the victim for shock, if necessary;
- (i) Remove any contaminated clothing, including footwear;
- (j) Do not attempt to give the victim liquids by mouth if they are unconscious;
- (k) MINIMISE CONTACT WITH BODY FLUIDS WHENEVER POSSIBLE.

Inhalation

- If the victim is not breathing, apply resuscitation (see Cardiopulmonary Resuscitation in Section 15).
- Oxygen should be given only under supervision of a trained person.

WARNING: where the victim has inhaled or ingested a toxic substance, direct mouth to mouth resuscitation is not advised.

Ingestion

 CONTACT THE POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE/ (SEE INSIDE BACK COVER), or local doctor.

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for the purpose of aged standards review.

· Do not induce vomiting unless advised to do so.

Skin contact

· Wash affected areas thoroughly with soap and water.

Eye contact

- · Hold the eyelids open and gently flush with clean, running water for at least 15 minutes.
- · Remove any contact lenses.

Injection

 CONTACT A DOCTOR OR POISONS INFORMATION CENTRE/NATIONAL POISONS CENTRE (SEE INSIDE BACK COVER).

Burns

Burns can result from fire and heat, from the corrosive properties of a substance, or from super cold contact ('frostbite').

- Immerse or flood affected area with cold water for 10 to 15 minutes.
- For frostbite, immediately bathe affected area in water (preferably lukewarm at about 35 °C); immerse if possible.
- · Do not forcibly separate skin from adhering material.

15. CARDIOPULMONARY RESUSCITATION (CPR)

Initial response

- Ensure you, the patient and anyone else is not exposed to any danger. Make the area safe or remove patient to a safe place.
- Phone for an ambulance or get someone to do this for you. (See INSIDE BACK COVER)
- Check for response by firmly squeezing the patient's shoulders and asking the patient a simple question such as "can you hear me?"
- If no response, make sure an ambulance has been called and continue with the following procedure.

Clear the airway

- Tilt patient's head back and lift their chin to clear the airway.
- · Remove any foreign matter from the mouth.

Check if the patient is breathing

If the patient is breathing, place them in the recovery position and maintain a clear airway.

If you think the patient is not breathing:

If an AED (Automated External Defibrillator) is available, attach the AED to the patient as soon as possible and follow the prompts given to you by the AED.

If an AED is not available:

- · Make sure the patient is lying on their back
- Place the heel of one hand in the middle of the chest and your other hand on top of the first. Keep elbows locked. Push down on chest about 4 – 5 cm
- · Compress chest at a speed of approximately 100 compressions per minute
- Breath into the patient two times then continue with a cycle of 30 pushes to two breaths
- · Continue CPR until the ambulance arrives.

Children and babies

Children older than one year should be managed the same as adults. The chest should be compressed about 1 to 2.5 cm or about one third the depth of the chest.

Babies up to 1 year old: start with 2 breaths if no breathing present then continue with a cycle of 30 chest compressions and 2 breaths. Use two fingers in the middle of the baby's chest for the compressions and compress the chest about 1 to 2.5 cm or by about one third the depth of the chest.

This material was supplied by St John New Zealand.

GLOSSARY

ADG	Australian Dangerous Goods Code				
ADR	European agreement on the international carriage of dangerous goods by road				
Aerosol	Liquid/gaseous contents normally discharged through a valve system from pressurised dispensers				
Alcohol foam	see Alcohol resistant foam				
Alcohol resistant foam	This foam is resistant to alcohol and other polar chemicals such as ketones and esters which may break down other types of foam				
Alphabetical list	Dangerous goods listed alphabetically by their Proper Shipping Name or Technical Name and indicating the appropriate emergency response guide to use				
Ambient	Surrounding. (Generally used to describe surrounding temperature and atmospheric conditions.)				
Bleve	Boiling Liquid Expanding to Vapour Explosion				
Burn	A chemical or thermal burn, the former caused by corrosive substances and the latter by cryogenic liquids or hot substances				
СВ	Chemical/biological				
Chemical protective clothing	see Gas-tight suit, SCBA, Splash suit				
CO ₂	Carbon dioxide				
Cold zone	This area contains the command post and such other support functions as are deemed necessary to control the incident. This can also be referred to as the clean zone or support zone				
Combat zone	see Hot zone				
Combustible liquid	A liquid having a flashpoint and which is not classified as a flammable liquid				
Compatibility group	A letter forming part of the classification code for an explosive substance or article; for example the 'S' of class 1.4S or the 'B' of 1.4B. It indicates which explosives are compatible for transport purposes				
Container	A container for dangerous goods, including aerosol dispensers, bottles, drums, tanks, and so on, but excluding freight containers unless they have been loaded in bulk				

Control zones	The designation of areas at dangerous goods incidents based upon safety and the degree of hazard. Many terms are used to describe these control zones; however, for the purposes of this handbook, these zones are defined as the hot, warm, and cold zones			
Cryogenic liquid	An extremely low temperature liquefied gas (below –150 °C)			
D	Indicates that the substance may decompose explosively.			
Dangerous goods	Substances as defined in the Dangerous Goods Classification System in Section 7.			
Decomposition products	The products of a chemical or thermal breakdown of a substance			
Decontamination	The process of reducing and preventing the spread of contamination from persons and equipment used at a dangerous goods incident. Decontamination methods are dependent on the chemical characteristics of the dangerous goods involved, so assistance should be sought from the chemical manufacturer, the competent authority for dangerous goods or the emergency services			
Dry chemical	A preparation designed for fighting fires involving flammable liquids , pyrophoric substances and electrical equipment. Common types contain sodium bicarbonate or potassium bicarbonate			
Exposures	Anything in the surrounding environment for example grass, vegetation, buildings or drums, that might be exposed to fire			
FIBC	Flexible intermediate bulk container			
Flammable liquid	A liquid having a flashpoint of equal to or less than 60 °C			
Flashpoint	The lowest temperature at which a liquid or solid gives off vapour in such a concentration that when the vapour combines with air near the surface of the liquid or solid, a flammable mixture is formed. Hence, the lower the flashpoint, the more flammable is the product			
Gas-tight suit	Clothing that protects the wearer against chemical vapours and gases. A garment that covers the wearer's head, torso, hands and feet with attached or detachable hood, gloves, and boots and completely encloses the wearer (considered Level 'A' chemical clothing protection) (see Protective clothing)			
Hazardous substances	A term used in New Zealand legislation (HSNO Act 1996) which includes Dangerous Goods except Classes 6.2 & 7			
Hazchem code	An emergency action code developed by the United Kingdom Fire Service. See Section 16			
Highly flammable liquid	In this handbook the term used to describe a flammable liquid with a flashpoint below 23 $^{\circ}\mathrm{C}$			

High temperature protective clothing	Protective clothing designed to protect the wearer for short term high temperature exposures. This type of clothing is usually of limited use in dealing with chemicals (see Thermal protective clothing)				
Hot zone	The area immediately surrounding a dangerous goods incident which extends far enough to prevent adverse effects from dangerous goods releases to personnel outside the zone. This zone is also referred to as the exclusion zone, combat zone or restricted zone				
HSNO	Hazardous Substances and New Organisms (HSNO) Act 1996				
ΙΑΤΑ	International Air Transport Association				
ICAO	International Civil Aviation Organization				
Ignition source	Includes heat, sparks, flames, static electricity and friction. Ignition sources should always be eliminated where flammable, combustible, explosive or unknown substances are present				
Large container	In this handbook, a container having a capacity greater than 3 $\mbox{m}^3\mbox{or}3000\mbox{ L}$				
Marine pollutant	Substances which are potentially harmful to the environment and, if released, could cause serious damage. These substances are proscribed under the International Maritime Dangerous Goods (IMDG) Code				
Mass explosion	A mass explosion which affects almost the entire load virtually instantaneously				
Medical care	Examination and/or treatment of victims by a medical practitioner or other qualified person such as a paramedic				
N.E.Q.	Net Explosive Quantity. The actual amount of explosive substance minus packaging				
N.O.S.	Not Otherwise Specified. Used in PROPER SHIPPING NAMES to cover chemicals having similar properties but which have not been assigned separate UN NUMBERS				
Numerical list	Dangerous goods listed numerically by their UN Number and indicating the appropriate Emergency Response Guide to use				
Oedema	An accumulation of an excessive amount of watery fluid in cells and tissues. Pulmonary oedema is an excessive build-up of water in the lungs, for example after inhalation of corrosive gas				
Ρ	Indicates that the substance may polymerise violently. This polymerisation can produce heat and pressure build-up in containers and may cause them to explode				

Personal protective equipment (PPE)	The equipment necessary to shield or isolate a person from the chemical, physical and thermal hazards that may be encountered at a dangerous goods incident.Personal protective equipment includes both protective clothing and respiratory protection. Adequate personal protective equipment should protect the respiratory system, skin, eyes, face, hands, feet, head, body, and hearing (see Protective clothing)				
Proper shipping name	The name used to describe a dangerous good as defined in the UN Model Regulations, the IMDG Code, the ADG Code, and NZS 5433: 2007 <i>Transport of dangerous goods on land</i>				
Protective clothing	 Equipment designed to protect the wearer from heat and/or dangerous goods contacting the skin or eyes. Protective clothing is divided into four types, being: (a) Structural firefighting protective clothing; (b) Splash suit; (c) Gas-tight suit; and (d) High temperature protective clothing. See also Thermal protective clothing 				
Protective medium	A medium which protects a chemical from reaction with air and/				
	or moisture; for example solvent oil, inert gas, and so on				
Pyrophoric	A substance which spontaneously and immediately ignites on exposure to air or oxygen				
SCBA	Self-contained breathing apparatus, including positive pressure full face piece, air tank, connecting hose and other fittings				
Soda ash	Sodium carbonate				
Splash suit	Clothing that protects the wearer against chemical liquid splashes but not against chemical vapours or gases				
S/R	Subsidiary risk				
Structural firefighter's protective clothing	The protective clothing normally worn by firefighters during structural firefighting operations. It includes a helmet, coat, pants, boots, and gloves, and may include a hood to cover parts of the head not protected by the helmet and face piece. Structural firefighter's protective clothing provides limited protection from heat but may not provide adequate protection from the harmful vapours or liquids that are encountered during dangerous goods incidents (also called turnout or bunker gear)				
Thermal protective clothing	This type of clothing includes both low (cryogenic liquid protection) and high temperature protective clothing				
Toxic	Poisonous				

Transport document	A document completed by the consignor signifying the consignor's request or instruction to have goods transported and in which is included a description of the goods nominated in the contract of carriage agreed with the transport operator. 'Transport document' includes the consignment note and the dangerous goods transport documents					
Turnout gear	See Structural firefighter's protective clothing					
UN number	The identification number assigned to a dangerous good by the United Nations Committee of Experts on the Transport of Dangerous Goods					
Vapour density	The ratio of the weight of a volume of pure vapour of gas (with no air present) compared to the weight of an equal volume of dry air at the same temperature and pressure. A vapour density figure less than one (1) indicates that the vapour is lighter than air and will tend to rise. A figure greater than one (1) indicates that the vapour is heavier than air and may travel along the ground					
Vapour pressure	The pressure at which a liquid and its vapour are in equilibrium at a given temperature. Liquids with high vapour pressures evaporate quickly. For example, water at 10 °C has a vapour pressure of 9.21 mm Hg and at 25 °C a vapour pressure of 23.77 mm Hg, while acetone has a vapour pressure of 231 mm Hg at 25 °C. (1 atmosphere = 760 mm Hg = 101.325 kPa)					
Vapour suppressing foams	Foams designed to produce stable blankets over vapours of hazardous materials/dangerous goods to control emissions. They can be used for acid, alkaline and organic products					
Viscosity	A measure of a liquid's resistance to flow. This property indicates how fast a chemical can leak out through holes in containers or tanks or flow along the ground					
Warm zone	The area where personnel and equipment decontamination and hot zone support take place. It includes control points for the access corridor and thus assists in reducing the spread of contamination. This is referred to as the decontamination, contamination reduction, or limited access zone in some documents					
Water jet	A method to apply or distribute water from a hose. The water is delivered under pressure for penetration. Water jets are frequently used to keep tanks and other equipment exposed to flammable liquid fires cool, or for washing burning spills away from danger points. However, water jets will cause a spill fire to spread if improperly used and will only serve to spread a fire when directed into open containers of flammable or combustible liquids					

Water spray (FOG) A method of applying or distributing water. The water is finely divided to provide for high heat absorption. Water spray patterns can range from about 10 to 90 degrees. Water spray streams can be used to extinguish or control the burning of a fire or to provide exposure protection for personnel, equipment, buildings, and so on. This method can also be used to absorb, knock-down or disperse vapours. Direct a water spray (fog), rather than a straight (solid) stream into the vapour cloud to accomplish either of the above. Water spray is particularly effective on fires of flammable liquids and volatile solids having high flashpoints (above 38°C).

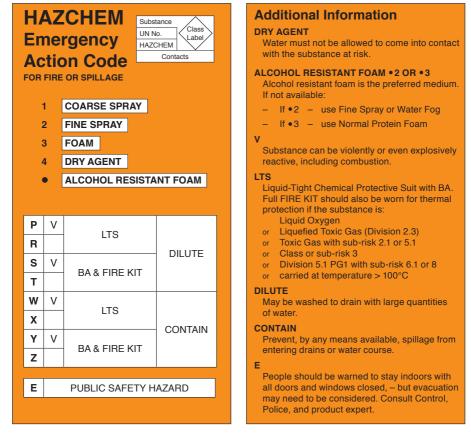
Regardless of the above, water spray can be used successfully on low flashpoint liquids. The effectiveness depends particularly on the method of application. With proper nozzles, even petrol spill fires of some types have been extinguished when coordinated hose lines were used to sweep the flames off the surface of the liquid. Furthermore, carefully applied water spray has frequently been used with success in extinguishing fires involving flammable liquids with high flashpoints (or any viscous liquids) by causing frothing to occur on the surface; this foaming action blankets and extinguishes the fire

16. HAZCHEM CODE

The HAZCHEM emergency action code (see Figure 1) provides emergency services personnel with information on the correct initial action to be taken to prevent the escalation of an incident. It is used in New Zealand for the transport of bulk dangerous goods and is also often used on dangerous goods stores. It is shown on Emergency Information Panels and may also be found on the labels of chemical products.

The HAZCHEM Code advises on:

- firefighting media
- personal protection requirements
- risk of violent reaction
- spillage handling
- evacuation consideration.



NOTE – In New Zealand a Level 3 Chemical Splash Suit provides equivalent protection to a Liquid-Tight Chemical Protective Suit

Figure 1 – HAZCHEM Emergency Action Code

17. NFPA/HMIS CODES

The NFPA Code (see Figure 2) was developed by the National Fire Protection Association (USA) to:

- · Warn firefighting personnel of the inherent hazards of a substance;
- Provide, at a glance, the order of severity of such hazards in a fire situation.

The Hazardous Materials Information System (HMIS) (see Figure 3) came from this and has the same purpose. The system identifies the hazards of a substance in terms of health (blue), flammability (red) and reactivity (yellow). The white area is for additional advice in the NFPA system and for Protective Clothing in the HMIS.



Figure 2 – National Fire Protection Association (NFPA) Code

EMERGENCY GUIDE FOR HAZARDOUS MATERIALS

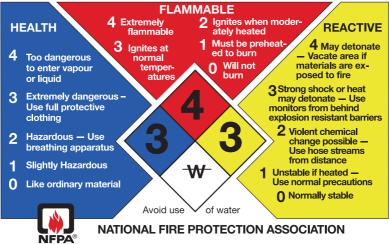


Figure 3 – Hazardous Materials Information System (HMIS) Code

18. ADR HAZARD IDENTIFICATION CODE

The European Union (EU) uses this system to provide information on the identity and hazardous properties of bulk cargoes carried between member countries. It is sometimes seen on bulk goods imported from the EU.

The orange plate is divided horizontally in two halves.

The upper half contains the ADR Hazard Identification Number (or Kemler Code), which indicates the properties of the substance involved.

The lower half contains the UN Number.

X88 1828

Hazard Identification Number

UN Number

Figure 4 – ADR Hazard Identification Code

The numbers in the ADR Code are taken from the Hazard Class Numbers. If a number is repeated it indicates a high hazard. An X indicates that it reacts with water. In the example, X88 indicates a strong acid which will react with water.

A single class, low hazard would be written as class number followed by a zero – such as 30 low flammability substance. Multiple class low hazards would be written as numbers – such as 58 Oxidizing Corrosive.

The first figure letter indicates the primary hazard:		The second and third digits generally indicate secondary hazards:	
2	gas	0	the hazard is adequately described by the first figure
3	flammable liquid	2	(flammable) gas may be given off
4	flammable solid	3	fire risk
5	oxidizing substance or organic peroxide	4	fire risk
6	toxic substance or infectious substance	5	oxidizing risk
7	radioactive substance	6	toxic risk
8	corrosive substance	8	corrosive risk
9	miscellaneous/environmental hazard	9	risk of spontaneous, violent reaction
x	reacts dangerously with water		

NOTES

HAZARDOUS SUBSTANCE INCIDENT REPORT FORM

(This form is to be filled out for ANY Hazardous Substance spill or leak and to be sent to the local authority's ENVIRONMENTAL OFFICER)

Location	 	 	

Date.....

Leak/Spill in Transit

Leak/Spill During
Loading
0

٦.

Leak/Spill During Unloading

PRODUCT NAME
CLASS
UN No
PACK SIZE
PACK TYPE
QUANTITY

INCIDENT DESCRIPTION

WHO IS AT THE SCENE

At Scene	Called	ETA	Contact Name
	\square		
	\square		
or			
	At Scene	At Scene Called	

Name...... Signature.....

NOTES

(This form is to be filled out for ANY Hazardous Substance spill or leak and to be sent to the local authority's ENVIRONMENTAL OFFICER)

Location		
Date		
Leak/Spill in Transit	Leak/Spill During Loading	Leak/Spill During Unloading
PRODUCT NAME		
CLASS		
UN No		
PACK SIZE		
PACK TYPE		
QUANTITY		
INCIDENT DESCRIPTION		

WHO IS AT THE SCENE

	At Scene	Called	ETA	Contact Name
Fire Brigade				
Police				
Ambulance				
Health Provider				
DG Inspector				
Clean-Up Contracto	or 🗌			

Name..... Signature.....

EMERGENCY NUMBERS AND INFORMATION

AUSTRALIA

IN EVERY EMERGENCY...... call 000 or 112 (Mobile)

FOR EMERGENCY SERVICES (FIRE BRIGADE, AMBULANCE, POLICE)

Help them to help you by giving the information in the shaded area below

IN CASE OF POISONING...... call 131 126

POISONS INFORMATION CENTRE

Information to provide to Emergency Services

IDENTIFICATION:

Your name / Organisation Call back number / Location

EVENT:

Deaths / Injuries Product(s) involved Quantity Type of vehicle / Container Time / Exact location Help: On site / To be called

OTHER HELPFUL INFORMATION

Consignor / Origin Carrier Consignee / Destination Car / Truck / Trailer / Flight No. Bill of Lading / Waybill No.

	NEW ZEALAND	
IN EVERY EMERGENC	CY	call 111
	FOR EMERGENCY SERVICES (FIRE BRIGADE, AMBULANCE, POLICE	E)
Help them to help yo	ou by giving the information in the shaded a	area on the facing page
POISONING	IN CASE OF	call 0800 764 766
	NATIONAL POISONS CENTRE	
EMERGENCY INVOLV RADIOACTIVE MATER	/ING RIAL	call 03 366 5059
	NATIONAL RADIATION LABORATORY	
OTHER CHEMICAL EMERGENCY		call 0800 243 622
	VZCIC CHEMCALL EMERGENCY RESPO	

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