

A Guide to the
Factories and Industrial Undertakings
**(Dangerous
Substances)**
Regulations



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A GUIDE TO THE
FACTORIES AND INDUSTRIAL UNDERTAKINGS
(DANGEROUS SUBSTANCES)
REGULATIONS

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1. Introduction

1.1 Chemical substances are widely used in industrial process or operation. By nature, many chemical substances are dangerous because of their flammability, toxicity or corrosivity. Improper use, handling or labelling of these substances is very likely to expose workers to the risks associated with them. The Factories and Industrial Undertakings (Dangerous Substances) Regulations standardize risk symbols and labelling system of dangerous substances and impose duties on proprietors and workers to take all reasonable safety measures in specified industrial undertakings where listed substances (Appendix I) are used.

1.2 This guide outlines the provisions of the regulations and aims to impress proprietors and workers to observe the safety measures and to label their dangerous substances properly with the standard risk symbols that correspond to their associated hazards. While every care has been taken to include important details of the regulations in this guide, the Factories and Industrial Undertakings (Dangerous Substances) Regulations remain the sole authority for the provisions of the law explained.

1.3 This guide should be read in conjunction with 'A Guide to the Factories and Industrial Undertakings Ordinance (Sections 6A & 6B)' which imposes general duties on proprietors and persons employed with regard to the health and safety at work in industrial undertakings.

2. Regulation

2.1 Application

The regulations apply where a dangerous substance is present in a specified industrial undertaking in connection with an industrial process or operation except the substance is in the process of undergoing chemical change or of being mixed or compounded with another substance. 4

(Note: It is advisable to display conspicuously in the workroom a notice giving warning to workers of the hazards that may arise in the process of chemical change or of being mixed or compounded with another substance and the precautionary measures to be taken).

2.2 Interpretation

'Container' means any receptacle, vessel, tank, package, bag, wrapping or other thing, whether movable or not, capable of holding any substance. 2

'Corrosive mixture' means a mixture that may on contact with living tissues cause severe damage to them.

'Dangerous mixture' means any mixture or preparation containing —

- (a) more than 1% by weight of any toxic substance or substances;
- (b) more than 10% by weight of any harmful substance or substances; or
- (c) such proportion of any other listed substance or substances as makes that mixture a corrosive, explosive, flammable, irritant or oxidizing mixture.

'Dangerous substance' means any substance that is a listed substance or a dangerous mixture.

'Explosive mixture' means a mixture that may explode under the effect of flame or that is more sensitive to shock and friction than dinitrobenzene.

'Flammable mixture' means a mixture that —

- (a) may become hot and finally catch fire in contact with air at ambient temperature without any application of energy;
- (b) is a solid and may readily catch fire after brief contact with a source of ignition and that continues to burn or be consumed after removal of the source of ignition;
- (c) is gaseous and flammable in air at normal pressure;
- (d) in contact with water or damp air, evolves highly flammable gases in dangerous quantities; or
- (e) is a liquid having a flash point below 66°C.

'Flash point' means, in relation to any liquid, the lowest temperature, if any, at which such liquid will give off vapour which will ignite or explode if mixed with air and exposed to a naked light.

'Harmful substance' means any listed substance that is classified in column 2 of the First Schedule (Appendix I) as harmful.

'Irritant mixture' means a mixture that, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.

'Listed substance' means any substance (whether or not a substance that is a preparation or other mixture) listed in column 1 of the First Schedule (Appendix I).

'Oxidizing mixture' means a mixture that gives rise to highly exothermic reaction when in contact with other substances, particularly flammable substances.

'Preparation' means a substance that is a mixture prepared by its manufacturer of 2 or more other substances.

'Specified industrial undertaking' means —

- (a) any factory, mine or quarry; and
- (b) any premises or place in which —
 - (i) articles are manufactured, altered, cleansed, repaired, ornamented, finished, adapted for sale, broken up or demolished;
 - (ii) materials are transformed, including transformation in the course of shipbuilding;
 - (iii) electricity or motive power of any kind is generated, transformed or transmitted; or
 - (iv) construction work is carried on.

'Substance' means any natural or artificial substance whether in solid or liquid form or in the form of a gas or vapour.

'Toxic substance' means any listed substance that is classified in column 2 of the First Schedule (Appendix I) as toxic.

2.3 Duties of proprietors

2.3.1 Container holding dangerous substance to be labelled

- 2.3.1.1 Every container holding a dangerous substance shall be labelled — 5(1)
- (a) in English and Chinese; 6(1)
 - (b) in the form prescribed by the Second Schedule (Appendix II); and 9(2)
 - (c) in such a way that the particulars can be read easily when the container is placed as it may normally be expected to be placed.
- 2.3.1.2 The particulars shall be clearly and indelibly marked and shall stand out sharply from their background — 5(1)
- (a) on a part of the container reserved for that purpose; or 6(1)
 - (b) on a label that is securely fixed to the container with its entire back in contact with the container; or 9(3)
 - (c) on a label attached in a suitable manner, when it is not reasonably practicable to comply with subparagraphs 2.3.1.2 (a) and (b).

2.3.2 Particulars in the label

- 2.3.2.1 The particulars for a listed substance shall be — 5(1)
- (a) the chemical name or common name of the substance; 8
 - (b) the classification as stated in column 2 of the First Schedule (Appendix I);
 - (c) the symbol or symbols specified in respect of that classification in column 2 of the Second Schedule (Appendix II);
 - (d) the indication of the particular risk or risks inherent in the substance as stated in the Third Schedule (Appendix III) opposite the number or numbers specified in respect of the substance in column 3 of the First Schedule (Appendix I); and
 - (e) the indication of the safety precautions required in respect of the substance as stated in the Fourth Schedule (Appendix IV) opposite the number or numbers specified in respect of that substance in column 4 of the First Schedule.

- 2.3.2.2 The particulars for a dangerous mixture containing more than 1% by weight of any toxic substance or substances shall be — 6(1)(a)
8
- (a) the trade name of that mixture; and
 - (b) the particulars mentioned in paragraph 2.3.2.1 relating to each toxic substance that exceeds 0.2% by weight of the mixture.
- 2.3.2.3 The particulars for a dangerous mixture containing more than 10% by weight of any harmful substance or substances shall be — 6(1)(b)
8
- (a) the trade name of that mixture; and
 - (b) the particulars mentioned in paragraph 2.3.2.1 relating to each harmful substance that exceeds 1% by weight of the mixture.
- 2.3.2.4 The particulars for a dangerous mixture containing such a proportion of any listed substance or substances as makes that mixture a corrosive, explosive, flammable, irritant or oxidizing mixture shall be — 6(1)(c)
8
- (a) the trade name of that mixture; and
 - (b) the particulars mentioned in paragraph 2.3.2.1 relating to each such substance.
- (Note: In the case of a dangerous mixture containing more than one listed substance that is classified in column 2 of the First Schedule (Appendix I) as corrosive, flammable, irritant or oxidizing, it is sufficient for the container to be labelled with the particulars relating to the substance in each such classification that is the most dangerous.)
- 2.3.2.5 A container is not correctly labelled if it bears the particulars that do not relate to its contents and the particulars appear to be confusing and misleading. 9(6)

2.3.3 Size of Label

- 2.3.3.1 Dimensions of the label in relation to the capacity of container shall be as follows: — 5(1)
6(1)
9(4)
- | <i>Capacity of container</i> | <i>Dimensions of label</i> |
|--|-----------------------------|
| 3 litres or less | not less than 50mm × 75mm |
| exceeding 3 litres but not exceeding 50 litres | not less than 75mm × 100mm |
| exceeding 50 litres but not exceeding 500 litres | not less than 100mm × 150mm |
| exceeding 500 litres | not less than 150mm × 200mm |

- 2.3.3.2 The size of any symbol required to be shown on the label shall be not less than one-tenth of the area of the label and in no case shall it be less than 100mm². 5(1)
6(1)
9(5)

2.3.4 Conditions for exemption from labelling requirements

Under any of the following situations, labelling of container under the regulations may be exempted: —

- (a) A container holding a dangerous substance which was supplied to the industrial undertaking in that container that is clearly labelled in English and Chinese with the particulars which are substantially the same as those prescribed by regulation 8. 7(a)
- (b) A container holding a dangerous substance is inside a package which is labelled in accordance with regulations 5 or 6 or the Dangerous Goods (General) Regulations. (Chapter 295 sub. leg.) 7(b)
- (c) A container holding a dangerous substance which is produced in the industrial undertaking and is not intended be used in the industrial undertaking but is intended to be supplied elsewhere in that container. 7(c)

- (d) A container holding less than 125 millilitres of — 7(d)
- (i) a listed substance which is not classified in column 2 of the First Schedule (Appendix I) as explosive, toxic, corrosive or flammable, or
 - (ii) a dangerous mixture which is not an explosive, corrosive or flammable mixture and which does not contain more than 1% by weight of any toxic substance or substances.
- (e) Where it is impossible or not reasonably practicable to have a container holding a dangerous substance labelled, a notice in respect of that substance has been displayed — 5(2)
6(2)
10
- (i) in English and Chinese;
 - (ii) identifying the container or containers holding that substance;
 - (iii) setting out clearly and indelibly the particulars as required by regulation 8;
 - (iv) in a conspicuous place near the dangerous substance;
 - (v) with the symbol or symbols required to be shown not less than one-tenth of the area of the notice; and
 - (vi) giving the trade name of that dangerous substances and the particulars that would be required to be labelled on the container.

2.3.5 Safety information, training and precautions

2.3.5.1 A proprietor shall make available to every his/her employee who works with or is likely to come into contact with a dangerous substance adequate information about any conditions necessary to ensure that the substance will be safe and without risk to the health of his/her employees. 11(a)

2.3.5.2 A proprietor shall ensure that every his/her employee who is or may be exposed to a dangerous substance — 11(b)

- (a) is trained in and observes the safety precautions relating to that substance,
- (b) is instructed in the purpose, proper use and limitations of any protective clothing or equipment provided, and
- (c) is instructed in the health hazards associated with exposure to that substance.

2.3.5.3 A proprietor shall make arrangements, including arrangements for adequate supervision, to prevent a dangerous substance from causing bodily injury to any of his/her employee. 11(c)

2.3.6 Protective clothing and equipment

2.3.6.1 A proprietor shall provide every his/her employee who works with or is likely to come into contact with a dangerous substance with such protective clothing and equipment as are appropriate to prevent that substance causing bodily injury to that employee. 12(a)

2.3.6.2 A proprietor shall ensure that the protective clothing and equipment are fully and properly used by every his/her employee who works with or is likely to come into contact with a dangerous substance. 12(b)

2.3.6.3 A proprietor shall ensure that the protective clothing and equipment are properly maintained and are thoroughly cleansed after use. For goggles, spectacles, face shield, respirator or mouth piece, it shall be thoroughly cleansed and disinfected after use. 12(c)

2.3.6.4 A proprietor shall provide suitable storage facilities for the protective clothing and equipment. 12(d)

2.4 Duties of persons employed

2.4.1 Safety precautions to be taken by employee

- Every employee in a specified industrial undertaking where there is any dangerous substance shall— 13(a)
- (a) follow the safety instructions given and the procedures set by the proprietor regarding that substance; 13(a)
 - (b) observe the safety precautions stated on the label of the container holding that substance or on the notice displayed near that substance; 13(b)
 - (c) take reasonable safety precautions to prevent that substance from causing bodily injury to himself/herself or others; 13(c)
 - (d) make full and proper use of the protective clothing and equipment provided; and 13(d)
 - (e) leave the protective clothing and equipment when not in use in the storage place. 13(e)

2.4.2 Employee not to misuse labels, etc.

Every employee shall not misuse or interfere with any label, notice or protective clothing or equipment provided. 14

2.4.3 Prohibition against eating, drinking, etc.

Every employee shall not eat, drink or smoke in any room where a dangerous substance is present. 15

2.5 Offences and penalties

An offender in respect of the following regulations is liable to a maximum fine as indicated:

<i>Offender</i>	<i>Regulations contravened</i>	<i>Maximum fine</i>	
Proprietor	Regulations 5,6,11 or 12	\$50,000	16
Persons employed	Regulations 13, 14 or 15	\$10,000	17

3. Enquiries

If you wish to obtain further information about this guide or require advice on occupational safety and health, please contact the Occupational Safety and Health Branch of the Labour Department through:

Telephone number : 2559 2297 (auto-recording after office hours)

Fax : 2915 1410

E-mail : enquiry@labour.gov.hk

Information on the services offered by the Labour Department and on major labour legislation can also be found by visiting our Home Page at <http://www.labour.gov.hk>.

4. Complaints

If you have any complaints about unsafe workplaces and practices, please call the Labour Department's occupational safety and health complaint hotline at 2542 2172.

Appendix I
FIRST SCHEDULE
 附表 1
LISTED SUBSTANCES
 列載物質

A reference in this Schedule to a concentration range of a substance is a reference to that substance in aqueous solution, the concentration being calculated on a weight to weight basis. An entry that refers to a salt without specifying a particular form of the salt refers to both the hydrated and anhydrous forms of that salt, if any.

1. <i>Name of Substance</i> 名稱	2. <i>Classification</i> 危險分類	3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施
Acetaldehyde 乙醛	Flammable and Irritant 易燃及刺激性	12, 36/37	2/6/8, 13, 25, 27
Acetic Acid, more than 90% 醋酸，超過 90%	Flammable and Corrosive 易燃及腐蝕性	10, 35	13, 19, 22, 30/31/33
Acetic Acid, 25% or more but not more than 90% 醋酸，25% 或以上，但不超過 90%	Corrosive 腐蝕性	34	19, 20/21, 22
Acetic Anhydride 醋酸酐	Flammable and Corrosive 易燃及腐蝕性	10, 34	13, 20/21, 22
Acetone 丙酮	Flammable 易燃	11	6/8, 13, 19, 27
Acetyl Chloride 乙醯氯	Flammable and Corrosive 易燃及腐蝕性	11, 14, 34	6/7, 8, 13, 20/21, 22
Acetylene; Ethyne 乙炔	Flammable 易燃	5, 6, 11	8, 13, 27
Alcohol, Denatured (see Ethyl Alcohol) 變性酒精 (見乙醇)			
Allyl Alcohol; 2-Propen-1-ol 烯丙醇；2-丙烯-1-醇	Flammable and Toxic 易燃及有毒	11, 26, 36/37/38	6/8, 13, 16, 19, 33, 39
Ammonia, Anhydrous 氨，無水的	Flammable and Toxic 易燃及有毒	10, 23	6/8, 13, 21, 32
Ammonia Solution with more than 35% Ammonia 氨水，含氨超過 35%	Corrosive 腐蝕性	34, 36/37/38	6, 20/21, 22
Ammonia Solution with at least 10% but not more than 35% Ammonia 氨水，含氨不少於 10%，但不超過 35%	Irritant 刺激性	36/37/38	22
Ammonium Dichromate 重鉻酸銨	Explosive and Irritant 爆炸性及刺激性	1, 8, 36/37/38, 43	13, 24, 29
Ammonium Fluorosilicate 氟硅酸銨	Toxic 有毒	23/24/25	1, 16/17, 22, 38
Amyl Acetate; Pentyl Acetate 乙酸戊酯	Flammable 易燃	10	13, 19

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Amyl Alcohol, Mixed Isomers, with the exception of tert-Pentanol; Pentanol	戊醇，異構體混合物，叔戊醇除外	Flammable and Harmful	易燃及有害	10, 20	13, 20/21
Aniline	苯胺	Toxic	有毒	23/24/25, 33	10, 24, 30/31, 38
Aniline, Salts of	苯胺鹽	Toxic	有毒	23/24/25, 33	10, 24, 30/31, 38
Antimony Pentachloride	五氯化銻	Corrosive	腐蝕性	34, 37	20/21, 22
Antimony Trichloride	三氯化銻	Corrosive	腐蝕性	34, 37	20/21, 22
Arsenic Compounds	砷化合物	Toxic	有毒	23/25	1, 16/17, 24, 38
Arsine	胂	Toxic	有毒	23/25	1, 16/17, 19, 24, 38
Barium Peroxide	過氧化鋇	Oxidizing and Harmful	助燃及有害	8, 20/22	10, 23
Benzal Chloride; Benzylidene Chloride; α, α -Dichloro-toluene	苄叉二氯；亞苄基二氯； α, α -二氯甲苯	Irritant	刺激性	36/37/38	33
Benzaldehyde	苯甲醛	Flammable and Harmful	易燃及有害	10, 22	13, 20
Benzene	苯	Flammable and Toxic	易燃及有毒	11, 23/24, 39, 45	6/8, 10, 13, 20, 25
1, 3-Benzenediol (see Resorcinol)	間苯二酚 (見雷瑣酚)				
Benzoyl Chloride	苯甲醯氯	Corrosive	腐蝕性	34	20/21, 22
Benzoyl Peroxide; Dibenzoyl Peroxide	過氧化苯甲醯；過氧化二苯甲醯	Explosive and Irritant	爆炸性及刺激性	3, 36/37/38	2/6/8, 11, 13, 23, 28, 31/33
Benzyl Alcohol	苄醇	Harmful	有害	20, 22	22
Benzyl Benzoate	苯甲酸苄酯	Harmful	有害	22	21
Benzyl Chloride; α -Chlorotoluene	苄基氯； α -氯甲苯	Flammable and Irritant	易燃及刺激性	10, 36/37/38	13, 33
Benzylidene Chloride (see Benzal Chloride)	亞苄基二氯 (見苄叉二氯)				
Beryllium	鈹	Toxic	有毒	26/27, 37, 39	10, 18, 22, 24, 39

1. <i>Name of Substance</i> 名稱	2. <i>Classification</i> 危險分類	3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施	
Beryllium Compounds with the exception of Aluminium Beryllium Silicates	Toxic	有毒	26/27, 37, 39	10, 18, 22, 24, 39
Boron Trichloride	Toxic	有毒	14, 26/28, 34	8, 16/17, 22, 24, 30, 39
Boron Trifluoride	Toxic	有毒	14, 26, 35	8, 16/17, 22, 24, 30, 39
Bromine	Corrosive	腐蝕性	26, 35	6/8, 19, 20/21, 22, 25
Bromoacetic Acid	Toxic	有毒	23/24/25, 35	16/17, 30/31/33, 38
Bromomethane; Methyl Bromide	Toxic	有毒	26	1, 6/8, 19, 20/21, 23, 39
Butane	Flammable	易燃	13	8, 13, 27
Butanol, all Isomers, with the exception of 2-Methyl-propan-2-ol; Butyl Alcohols	Flammable and Harmful	易燃及有害	10, 20	13
Butanone; Ethyl Methyl Ketone; Methyl Ethyl Ketone	Flammable	易燃	11	6/8, 13, 19, 27
2-Butoxy-ethanol; Ethylene Glycol Monobutyl Ether	Harmful	有害	20/21/22, 37	20/21
n-Butyl Acetate	Flammable	易燃	11	6/8, 13
Butyl Alcohol, all Isomers with the exception of tert-Butyl Alcohol (see Butanol)				
tert-Butyl Alcohol; 2-Methyl-propan-2-ol	Flammable and Harmful	易燃及有害	11, 20	6/8, 13
Calcium Carbide	Flammable	易燃	15	6/7, 13, 37
Calcium Hypochlorite, concentration of Active Chlorine more than 39%	Oxidizing and Corrosive	助燃及腐蝕性	8, 31, 34	20/21, 22, 37

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Calomel (see Mercurous Chloride)	甘汞； 氯化亞汞 (見氯化亞汞)				
Carbon Disulphide	二硫化碳	Flammable and Toxic	易燃及有毒	11, 26	13, 23, 25, 27, 37, 39
Carbon Tetrachloride; Tetrachloro-methane	四氯化碳； 四氯甲烷	Toxic	有毒	26/27	10, 20, 32, 39
Caustic Potash (see Potassium Hydroxide)	苛性鉀 (見氫化鉀)				
Caustic Soda (see Sodium Hydroxide, Anhydrous)	苛性蘇打 (見無水氫化鈉)				
Cellulose Nitrate; Nitrocellulose (containing a maximum of 12.6% Nitrogen)	硝酸纖維素； 硝化纖維素 (含氮量不超過 12.6%)	Flammable	易燃	11	13, 27, 31/33
Chlorine	氯	Toxic	有毒	23, 36/37/38	6/8, 19, 38
Chloroacetic Acid	氯醋酸	Toxic	有毒	23/24/25, 35	16/17, 18, 30/31/33
Chloroacetyl Chloride	氯乙醯氯	Corrosive	腐蝕性	34, 37	8, 20/21, 22
Chlorobenzene	氯苯	Flammable and Harmful	易燃及有害	10, 20	13, 20/21
1-Chloro-2, 3-epoxypropane (see Epichlorohydrin)	1-氯-2, 3-環氧 丙烷 (見表氯醇)				
Chloroform; Trichloro-methane	氯仿； 三氯甲烷	Harmful	有害	20	20/21
Chloro-methane; Methyl Chloride	氯化甲烷； 甲基氯	Flammable and Harmful	易燃及有害	13, 20	8, 13, 27
α - Chloro-toluene (see Benzyl Chloride)	α - 氯甲苯 (見苄基氯)				
Chromium Trioxide	三氧化鉻	Oxidizing and Corrosive	助燃及 腐蝕性	8, 35, 43	24, 30/31/33
Cresol, all Isomers	甲酚，所有異 構體	Toxic	有毒	24/25, 34	16/17, 20/21, 24, 38

1. <i>Name of Substance</i> 名稱	2. <i>Classification</i> 危險分類	3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施		
Cumene; Isopropyl Benzene	枯烯， 異丙基苯	Flammable and Irritant	易燃及 刺激性	10, 37	13, 20
Cumene Hydroperoxide; α, α -Dimethyl- benzyl Hydroperoxide	氫過氧化枯烯； α, α -二 甲苄基過氧化 氫	Oxidizing and Corrosive	助燃及 腐蝕性	11, 35	2/6/8, 11, 13, 23, 31/33
Cyclohexane	環己烷	Flammable	易燃	11	6/8, 13, 27
Cyclohexanol	環己醇	Harmful	有害	20/22, 37/38	20/21
Cyclohexanone	環己酮	Flammable and Harmful	易燃及有害	10, 20	13, 21
Cyclohexanone Hydroperoxide	氫過氧化環己 酮	Explosive and Corrosive	爆炸性及 腐蝕性	3, 35	2/6/8, 11, 13, 23, 28, 31/33
Cyclohexanone Peroxide	過氧化環己酮	Explosive and Corrosive	爆炸性及 腐蝕性	3, 35	2/6/8, 11, 13, 23, 28, 31/33
1,2-Diamino-ethane; Ethylene-diamine	1, 2- 乙二胺	Flammable and Corrosive	易燃及 腐蝕性	10, 21/22, 34, 43	8, 13, 22, 30/31/33
o-Dianisidine; 3, 3'-Dimethoxy- benzidine	鄰聯茴香胺； 3, 3'-二甲氧基 聯苯胺	Toxic	有毒	26/27/28, 33, 45	10, 18, 24, 30/31, 39
o-Dianisidine Salts	鄰聯茴香胺鹽	Toxic	有毒	26/27/28, 33, 45	10, 18, 24, 30/31, 39
Dibenzoyl Peroxide (see Benzoyl Peroxide)	過氧化二苯甲 醯(見過氧化苯 甲醯)				
o-Dichloro-benzene; 1, 2-Dichloro- benzene	鄰二氯苯； 1, 2- 二氯苯	Harmful	有害	20	20/21
p-Dichloro-benzene; 1, 4-Dichloro- benzene	對二氯苯； 1, 4- 二氯苯	Harmful	有害	22	20/21
1,1-Dichloro-ethane; Ethylidene Chloride	1, 1- 二氯乙烷； 亞乙基二氯	Flammable and Harmful	易燃及有害	11, 20	6/8, 13, 25, 27
1,2-Dichloro-ethane; Ethylene Dichloride	1, 2- 二氯乙烷； 二氯化乙烯	Flammable and Harmful	易燃及有害	11, 20	6/8, 13, 25, 27
Dichloroiso-cyanuric Acid; Dichloro-1, 3, 5-triazine-trione	二氯異氰脲酸； 二氯 -1, 3, 5- 三嗪三酮	Oxidizing and Harmful	助燃及有害	8, 22, 31, 36/37	7, 22, 35
Dichloro-methane; Methylene Dichloride	二氯甲烷； 亞甲基二氯	Harmful	有害	20	20

1. Name of Substance 名稱		2. Classification 危險分類		3. Particular Risks 危險情況	4. Safety Precautions 安全措施
α, α -Dichloro- toluene (see Benzal Chloride)	α, α -二氯甲 苯(見苄叉二 氯)				
Dichloro-1, 3, 5-triazine-trione (see Dichloro- isocyanuric Acid)	二氯-1, 3, 5- 三嗪三酮 (見二氯異氰脲 酸)				
Dichloro-1, 3, 5-triazine-trione, Potassium Salt of (see Potassium Salt of Dichloroiso- cyanuric Acid)	二氯-1, 3, 5- 三嗪三酮之鉀 鹽 (見二氯異氰脲 酸的鉀鹽)				
Dichloro-1, 3, 5- triazine-trione, Sodium Salt of (see Sodium Salt of Dichloroiso- cyanuric Acid)	二氯-1, 3, 5- 三嗪三酮之鈉 鹽 (見二氯異氰脲 酸的鈉鹽)				
Dieldrin (HEOD 85%)	狄氏劑 (HEOD 85%)	Toxic	有毒	23, 24, 25	10, 38
Diethylamine	二乙基胺	Flammable and Irritant	易燃及 刺激性	11, 36/37	6/8, 13, 22, 25
Diethylenetri-amine; 2, 2'-Iminodiethyl- amine	二亞乙基三胺; 2, 2'-亞胺基二乙 基胺	Corrosive	腐蝕性	21/22, 34, 43	22, 30/31/33
Diethyl Ether	二乙醚	Flammable	易燃	12, 19	2/6/8,13,25,27
Diethyl Ketone (see Pentan-3-one)	二乙基甲酮 (見戊-3-酮)				
Dilauroyl Peroxide	過氧化二月桂 醯	Oxidizing and Irritant	易燃及 刺激性	11, 36/37/38	2/6/8, 11, 13, 23, 31/33
3,3'-Dimethoxy- benzidine (see o-Dianisidine)	3, 3'-二甲氧基 聯苯胺(見鄰聯 茴香胺)				
1,2-Dimethoxy- ethane; Ethylene Glycol Dimethyl Ether	1, 2-二甲氧基乙 烷; 乙二醇二甲醚	Flammable and Harmful	易燃及有害	10, 19, 20	13, 20/21
Dimethylamine	二甲胺	Flammable and Irritant	易燃及 刺激性	13, 36/37	8, 13, 22, 25
α, α -Dimethyl- benzyl Hydroper- oxide (see Cumene Hydroperoxide)	α, α -二甲苄 基過氧化氫(見 氫過氧化枯烯)				

1. <i>Name of Substance</i> 名稱		2. <i>Classification</i> 危險分類		3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施
Dimethyldi-chlorosilane	二甲基二氯硅烷	Flammable and Irritant	易燃及刺激性	11, 36/37/38	6/8, 13, 20
Dimethyl Ether	二甲醚	Flammable	易燃	13	8, 13, 27
Dimethyl Formamide	二甲基甲醯胺	Flammable and Harmful	易燃及有害	10, 20/21, 36	13, 22, 24, 30
Dinitrobenzene, all Isomers	二硝基苯，所有異構體	Toxic	有毒	26/27/28, 33	10, 24, 30/31, 39
Dinitrotoluene, all Isomers	二硝基甲苯，所有異構體	Toxic	有毒	23/24/25, 33	10, 24, 31, 38
1,4-Dioxan	1, 4- 二噁烷	Flammable and Harmful	易燃及有害	11, 19, 20	6/8, 13, 27
Diphenyl-methane-4, 4'-diisocyanate	二苯甲烷-4, 4'- 二異氰酸酯	Harmful	有害	20, 36/37/38, 42	22, 24, 32, 39
Epichlorohydrin; 1-Chloro-2, 3-epoxy-propane	表氯醇；1- 氯-2, 3- 環氧丙烷	Flammable and Toxic	易燃及有毒	10, 26/27/28, 40	8, 10, 13, 19, 30/31/33, 39
Ethenediol; Ethylene Glycol	乙二醇；亞乙基二醇	Harmful	有害	22	20
Ethanthiol (see Ethyl Mercaptan)	乙硫醇 (見乙硫醇)				
Ethanol (see Ethyl Alcohol)	乙醇 (見乙醇)				
2-Ethoxy-ethanol; Ethylene Glycol Monoethyl Ether	2- 乙氧基乙醇；乙二醇乙醚	Flammable and Irritant	易燃及刺激性	10, 36	13, 20
2-Ethoxyethyl Acetate; Ethyl Glycol Acetate	醋酸-2- 乙氧基乙酯；乙基乙二醇乙酸酯	Flammable and Harmful	易燃及有害	10, 20/21	13, 20
Ethyl Acetate	醋酸乙酯	Flammable	易燃	11	6/8, 13, 19, 25, 27
Ethyl Alcohol; Ethanol	乙醇	Flammable	易燃	11	6/8, 13
Ethylbenzene	乙苯	Flammable and Irritant	易燃及刺激性	11, 37	6/8, 13, 25
Ethylenediamine (see 1, 2-Diaminoethane)	1, 2- 乙二胺 (見1,2- 乙二胺)				
Ethylene Dichloride (see 1, 2-Dichloroethane)	二氯化乙烯 (見1, 2- 二氯乙烷)				
Ethylene Glycol (see Ethenediol)	亞乙基二醇 (見乙二醇)				

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Ethylene Glycol Dimethyl Ether (see 1,2-Dimethoxyethane)	乙二醇二甲醚 (見 1,2-二甲氧基乙烷)				
Ethylene Glycol Monobutyl Ether (see 2-Butoxyethanol)	乙二醇丁醚 (見 2-丁氧基乙醇)				
Ethylene Glycol Monoethyl Ether (see 2-Ethoxyethanol)	乙二醇乙醚 (見 2-乙氧基乙醇)				
Ethylene Glycol Monomethyl Ether (see 2-Methoxyethanol)	乙二醇甲醚 (見 2-甲氧基乙醇)				
Ethyl Glycol Acetate (see 2-Ethoxyethyl Acetate)	乙基乙二醇乙酸酯 (見醋酸-2-乙氧基乙酯)				
Ethylidene Chloride; (see 1, 1-Dichloroethane)	亞乙基二氯 (見 1,1-二氯乙烷)				
Ethyl Mercaptan; Ethanethiol	乙硫醇	Flammable and Harmful	易燃及有害	11, 20	6/8, 13, 21, 38
Ethyl Methyl Ether	甲乙醚	Flammable	易燃	13	8, 13, 27
Ethyl Methyl Ketone (see Butanone)	甲基乙基甲酮 (見丁酮)				
Ethyl Propionate	丙酸乙酯	Flammable	易燃	11	6/8, 13, 19, 25, 27
Fluorine	氟	Toxic	有毒	7, 26/27, 35	6/8, 19, 30/31/33, 39
Formaldehyde Solution, at least 5% but not more than 30%	甲醛溶液，不少於 5% 但不超過 30%	Irritant	刺激性	36/37, 43	22
Formaldehyde Solution, more than 30%; Formalin	甲醛溶液，超過 30%； 福爾馬林	Toxic	有毒	23/24/25, 43	10, 22, 24
Formalin (see Formaldehyde Solution, more than 30%)	福爾馬林 (見甲醛溶液，超過 30%)				

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Formic Acid, at least 25% but not more than 90%	蟻酸，不少於 25% 但不超過 90%	Corrosive 腐蝕性	34 19, 20/21, 22
Formic Acid, more than 90%	蟻酸，超過 90%	Corrosive 腐蝕性	35 19, 22, 30/31/33
2-Furaldehyde; Furfural; Furfuraldehyde	糠醛	Flammable and Toxic 易燃及有毒	10, 23/25 13, 16, 20/21, 38
Furfuryl Alcohol	糠醇	Harmful 有害	20/21/22 16/17, 20/21
Hexamethylene Diisocyanate	六亞甲基二異氰酸酯	Toxic 有毒	23, 36/37/38, 42 16/17, 22, 24, 32, 39
Hexane (Mixture of Isomers containing more than 5% n-Hexane)	己烷(含超過 5% 正己烷之異構體混合物)	Flammable and Harmful 易燃及有害	11, 20/21, 40 6/8, 13, 19, 20, 25, 27
Hexane (Mixture of Isomers containing a maximum of 5% n-Hexane)	己烷(含不超過 5% 正己烷之異構體混合物)	Flammable 易燃	11 6/8, 13, 19, 25, 27
Hydrazine	肼	Flammable and Toxic 易燃及有毒	10, 26/27/28, 34, 40 10, 13, 19, 30/31/33, 39
Hydrazine Solution, at least 5% but not more than 64%	肼溶液，不少於 5% 但不超過 64%	Corrosive 腐蝕性	24/25, 34, 40 30/31/33
Hydrochloric Acid, at least 10% but not more than 25%	鹽酸，不少於 10% 但不超過 25%	Irritant 刺激性	36, 38 24
Hydrochloric Acid, more than 25%	鹽酸，超過 25%	Corrosive 腐蝕性	34, 37 22, 24
Hydrofluoric Acid	氫氟酸	Toxic and Corrosive 有毒及腐蝕性	26/27/28, 35 6/8, 19, 22, 30/31/33, 39
Hydrogen	氫	Flammable 易燃	11 6/8, 13
Hydrogen Chloride, Anhydrous	無水氯化氫	Corrosive 腐蝕性	35, 37 6/8, 22, 30/31/33, 38
Hydrogen Cyanide	氰化氫	Flammable and Toxic 易燃及有毒	12, 26/27/28 2/6/8, 10, 13, 19, 39
Hydrogen Cyanide, Salts of, with the exception of Complex Cyanides such as Ferrocyanides, Ferricyanides and Mercuric Oxycyanide	氰化氫鹽 (氰亞鐵酸鹽、氰鐵酸鹽及氧氰化汞等絡合氰化物除外)	Toxic 有毒	26/27/28, 32 1, 6, 16/17, 24, 25, 39

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施
Hydrogen Fluoride, Anhydrous 無水氟化氫	Toxic and Corrosive 有毒及腐蝕性	26/27/28, 35	6/8, 19, 22, 30/31/33, 39
Hydrogen Peroxide Solution containing at least 20% but not more than 60% Hydrogen Peroxide 過氧化氫溶液，含過氧化氫不少於20%，但不超過60%	Corrosive 腐蝕性	34	24, 33
Hydrogen Sulphide 硫化氫	Flammable and Toxic 易燃及有毒	13, 26	6/8, 13, 19, 21, 39
2, 2'-Iminodiethylamine (see Diethylene-triamine) 2, 2'-亞胺基二乙基胺(見二亞乙基三胺)			
Iodine 碘	Harmful 有害	20/21	19, 21
Isophorone; 3, 5, 5-Trimethylcyclohex-2-enone 異佛爾酮；3, 5, 5-三甲基-2-環己烯酮	Irritant 刺激性	36/37/38	22
Isoprene; 2-Methylbuta-1, 3-diene 異戊二烯；2-甲基-1, 3-丁二烯	Flammable 易燃	12	2/6/8, 13, 25, 27
Isopropyl Acetate 醋酸異丙酯	Flammable 易燃	11	6/8, 13, 19, 25, 27
Isopropyl Alcohol (see Propanol) 異丙醇(見丙醇)			
Isopropyl-benzene (see Cumene) 異丙基苯(見枯烯)			
Isopropyl Formate 甲酸異丙酯	Flammable 易燃	11	6/8, 13, 27
Lead Alkyls (C ₁ -C ₅) 烷基鉛(C ₁ -C ₅)	Toxic 有毒	26/27/28, 33	10, 19, 22, 30/31, 39
Lead Compounds with the exception of those specified elsewhere in this list 鉛化合物，在本表另有列明者除外	Harmful 有害	20/22, 33	10, 16/17
Magnesium, Powder (Pyrophoric) 鎂粉末(引火性)	Flammable 易燃	15, 17	6/7, 13, 37
Magnesium, Powder or Turnings 鎂粉末或條	Flammable 易燃	11, 15	6/7, 13, 37
Maleic Acid 馬來酸	Irritant 刺激性	22, 36/37/38	22, 24, 31
Maleic Anhydride 馬來酐	Irritant 刺激性	22, 36/37/38, 42	18, 24, 33
Manganese Dioxide 二氧化錳	Harmful 有害	20/22	21
Mercurous Chloride; Calomel 氯化亞汞；甘汞	Harmful 有害	22	40

1. <i>Name of Substance</i> 名稱	2. <i>Classification</i> 危險分類	3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施		
Mercury, Inorganic Compounds of, with the exception of Mercuric Sulphide and those specified elsewhere in this list	汞的無機化合物，硫化汞及本表另有列明者除外	Toxic	有毒	26/27/28, 33	1, 10, 18, 24, 39
Mercury, Organic Compounds of, with the exception of those specified elsewhere in this list	汞的有機化合物，本表另有列明者除外	Toxic	有毒	26/27/28, 33	10, 18, 24, 30, 39
Methane	甲烷	Flammable	易燃	11	6/8, 13, 27
Methanol (see Methyl Alcohol)	甲醇 (見甲醇)				
2-Methoxy-ethanol; Ethylene Glycol Monomethyl Ether	2-甲氧基乙醇；乙二醇甲醚	Flammable and Harmful	易燃及有害	10, 20/21/22, 37	13, 20/21
2-Methoxy-ethyl Acetate; Methylglycol Acetate	醋酸-2-甲氧基乙酯；甲基乙二醇乙酸酯	Flammable and Harmful	易燃及有害	10, 20/21	13, 20
Methyl Acetate	醋酸甲酯	Flammable	易燃	11	6/8,13,19,25,27
Methyl Acrylate	丙烯酸甲酯	Flammable and Irritant	易燃及刺激性	11,20/22,36/37/38	6/8, 13, 27
Methyl Alcohol; Methanol	甲醇	Flammable and Toxic	易燃及有毒	11, 23/25	6/8, 13, 16, 20
Methylamine	甲胺	Flammable and Irritant	易燃及刺激性	13, 36/37	8, 13, 22, 25
Methyl Bromide (see Bromo-methane)	甲基溴 (見溴代甲烷)				
2-Methyl-but-1,3-diene (see Isoprene)	2-甲基-1,3-丁二烯(見異戊二烯)				
2-Methylbutan-2-ol; tert-Pentanol	2-甲基-2-丁醇；叔戊醇	Flammable and Irritant	易燃及刺激性	11, 20	6/8, 13, 20/21
Methyl Chloride (see Chloro-methane)	甲基氯 (見氯化甲烷)				
Methyl Chloroform (see 1, 1, 1-Trichloroethane)	甲基氯仿 (見1, 1, 1-三氯乙烷)				
Methylene Dichloride (see Dichloro-methane)	亞甲基二氯 (見二氯甲烷)				

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Methyl Ethyl Ketone (see Butanone)	甲基乙基甲酮 (見丁酮)				
Methyl Ethyl Ketone Peroxide	過氧化甲基乙基甲酮	Explosive and Toxic	爆炸性及有毒	3, 23/24/25, 36/37/38	2/6/8, 11, 13, 23, 28, 31/33
Methylglycol Acetate (see 2-Methoxyethyl Acetate)	甲基乙二醇乙酸酯 (見醋酸-2-甲氧基乙酯)				
Methyl Methacrylate	甲基丙烯酸甲酯	Flammable and Irritant	易燃及刺激性	11, 36/37/38, 43	6/8, 13, 25, 27
2-Methyl-propan-2-ol (see tert-Butyl Alcohol)	2-甲基丙-2-醇 (見叔丁醇)				
Methyl-trichlorosilane; Trichloro-(methyl) silane	甲基三氯硅烷；三氯(甲基)硅烷	Flammable and Irritant	易燃及刺激性	11, 14, 36/37/38	6/7, 13, 22, 33
1,5-Naphthalene Diisocyanate	1, 5- 萘二異氰酸酯	Harmful	有害	20, 36/37/38, 42	22, 24, 32, 39
β -Naphthol; 2-Naphthol	β -萘酚；2-萘酚	Harmful	有害	20/22	20/21
α -Naphthylamine containing less than 1% of β -Naphthylamine; 1-Naphthylamine	α -萘胺含 β -萘胺少於 1%；1-萘胺	Harmful	有害	20/21/22, 33, 45	18, 30
Nitric Acid, at least 20% but not more than 70%	硝酸，不少於 20%，但不超過 70%	Corrosive	腐蝕性	35	19, 22, 23, 31/33
Nitric Acid, more than 70%	硝酸，超過 70%	Oxidizing and Corrosive	助燃及腐蝕性	8, 35	19, 22, 30/31/33
Nitric Acid and Sulphuric Acid, Mixture of, concentration more than 30% Nitric Acid	硝酸與硫酸混合物，硝酸濃度超過 30%	Oxidizing and Corrosive	助燃及腐蝕性	8, 35	19, 22, 26, 30/31/33
Nitrobenzene	硝基苯	Toxic	有毒	26/27/28, 33	10, 19, 24, 30/31, 39
Nitrocellulose (see Cellulose Nitrate)	硝化纖維素(見硝酸纖維素)				
Octane, all Isomers	辛烷，所有異構體	Flammable	易燃	11	6/8, 13, 25, 27

1. <i>Name of Substance</i> 名稱		2. <i>Classification</i> 危險分類		3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施
Oleum, containing at least 20% but not more than 65% SO ₃	發煙硫酸，含 SO ₃ 不少於 20% 但不超過 65%	Corrosive	腐蝕性	14, 35, 37	22, 26, 30/31/33
Ortho-phosphoric Acid, more than 25% acid; Phosphoric Acid	正磷酸，含酸超過 25%； 磷酸	Corrosive	腐蝕性	34	20/21, 22
Ortho-phosphoric Acid, more than 10% but not more than 25% acid; Phosphoric Acid	正磷酸，含酸超過 10% 但不超過 25%； 磷酸	Irritant	刺激性	36	21
Oxalic Acid	草酸	Harmful	有害	21/22	20/21
Oxalic Acid, Salts of	草酸鹽	Harmful	有害	21/22	20/21
Paraldehyde; 2, 4, 6-Trimethyl-1, 3, 5-Trioxan	仲乙醛； 2, 4, 6- 甲基 -1, 3, 5- 三噁烷	Flammable	易燃	10	8, 13, 25, 27
PCB (see Polychloro-biphenyls)	PCB (見多氯聯苯)				
Pentachloro-phenol	五氯苯酚	Toxic	有毒	23/24/25	16/17, 24, 30/33, 38
Pentanol, all Isomers with the exception of tert-Pentanol (see Amyl Alcohol)	戊醇，所有異構體，叔戊醇除外 (見戊醇)				
tert-Pentanol (see 2-Methylbutan-2-ol)	叔戊醇 (見 2-甲基-2-丁醇)				
Pentan-3-one; Diethyl Ketone	戊-3-酮； 二乙基甲酮	Flammable	易燃	11	6/8, 13, 27
Pentyl Acetate (see Amyl Acetate)	乙酸戊酯 (見乙酸戊酯)				
Peracetic Acid, more than 10%	過乙酸， 超過 10%	Oxidizing and Corrosive	助燃及腐蝕性	5, 22, 34	2, 23, 30
Perchloric Acid, more than 50%	高氯酸， 超過 50%	Oxidizing and Corrosive	助燃及腐蝕性	5, 8, 35	2, 19, 22, 30/31/33

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Perchloric Acid, with at least 10% but not more than 50% acid	高氯酸，含酸不少於 10% 但不超過 50%	Corrosive	腐蝕性	34	19, 24, 30
Perchloro-ethylene; Tetrachloro-ethylene	全氯乙烯；四氯乙烯	Harmful	有害	20/22	21
Petroleum Distillates and Coal Tar Distillates of complex and variable composition, flash point below 23°C	各種複雜不同成份的石油蒸餾液及煤焦油蒸餾液，閃點低於攝氏 23 度	Flammable	易燃	11	6/8, 13, 25, 27
Petroleum Distillates and Coal Tar Distillates of complex and variable composition, flash point equal to or greater than 23°C and equal to or less than 66°C	各種複雜不同成份的石油蒸餾液及煤焦油蒸餾液，閃點相等於或高於攝氏 23 度及相等於或低於攝氏 66 度	Flammable	易燃	10	13
Phenylene- diamine, all Isomers	苯二胺，所有異構體	Toxic	有毒	23/24/25, 43	16/17, 24, 38
Phosphoric Acid (see Orthophosphoric Acid)	磷酸 (見正磷酸)				
Phosphorus Pentachloride	五氯化磷	Corrosive	腐蝕性	34, 37	6/7, 20/21, 22
Phosphorus Pentoxide	五氧化二磷	Corrosive	腐蝕性	35	18, 22, 30/31/33
Phosphorus, Red	紅磷	Flammable	易燃	11, 16	6, 11, 13, 37
Phosphorus Trichloride	三氯化磷	Corrosive	腐蝕性	34, 37	6/7, 20/21, 22
Phosphorus, White or Yellow	白磷；黃磷	Flammable and Toxic	易燃及有毒	17, 26/28, 35	4, 16/17, 22, 24, 30/31/33, 39
Polychloro-biphenyls; PCB	多氯聯苯；PCB	Harmful	有害	33	10, 12, 29, 35
Potassium Chlorate	氯酸鉀	Oxidizing and Harmful	助燃及有害	9, 20/22	10, 11, 13, 23
Potassium Chromate	鉻酸鉀	Irritant	刺激性	36/37/38, 43	18, 24

1. <i>Name of Substance</i> 名稱	2. <i>Classification</i> 危險分類	3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施		
Potassium Cyanide (see Hydrogen Cyanide, Salts of)	氰化鉀 (見氰化氫鹽)				
Potassium Dichromate	重鉻酸鉀	Irritant	刺激性	36/37/38, 43	18, 24
Potassium Fluoride	氟化鉀	Toxic	有毒	23/24/25	1, 16/17, 22, 38
Potassium Fluorosilicate	氟硅酸鉀	Toxic	有毒	23/24/25	1, 16/17, 22, 38
Potassium Hydroxide; Caustic Potash	氫氧化鉀; 苛性鉀	Corrosive	腐蝕性	35	22, 23, 31/33
Potassium Hydroxide Solution, with more than 5% Potassium Hydroxide	氫氧化鉀溶液, 含氫氧化鉀超過 5%	Corrosive	腐蝕性	35	22, 23, 31/33
Potassium Hydroxide Solution with at least 1% but not more than 5% Potassium Hydroxide	氫氧化鉀溶液, 含氫氧化鉀不少於 1% 但不超過 5%	Irritant	刺激性	36/38	22
Potassium Nitrite	亞硝酸鉀	Oxidizing and Toxic	助燃及有毒	8, 25	16/17, 38
Potassium Perchlorate	高氯酸鉀	Oxidizing and Harmful	助燃及有害	9, 22	10, 11, 18, 23
Potassium Permanganate	高錳酸鉀	Oxidizing and Harmful	助燃及有害	8, 22	40
Potassium Salt of Dichloroisocyanuric Acid; Dichloro-1, 3, 5-triazine-trione, Potassium Salt	二氯異氰尿酸的鉀鹽; 二氯 -1, 3, 5-三嗪三酮的鉀鹽	Oxidizing and Harmful	助燃及有害	8, 22, 31, 36/37	7, 22, 35
Propanol, all Isomers; Propyl Alcohol	丙醇, 所有異構體	Flammable	易燃	11	6/8, 13
2-Propen-1-ol (see Allyl Alcohol)	2- 丙烯 -1- 醇 (見烯丙醇)				
Pyridine	吡啶	Flammable and Harmful	易燃及有害	11, 20/21/22	6/8, 13, 22, 24

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Reaction Product:- Bisphenol A-Epichloro-hydrin Epoxy Resin (number average molecular weight not more than 700)	反應產物： ——雙酚 A- 表 氯醇樹脂(數目 平均分子量不 超過 700)	Irritant	刺激性	36/38, 43	24, 31/33
Resorcinol; 1, 3-Benzenediol	雷鎖酚； 間苯二酚	Harmful	有害	22, 36/38	22
Silver Nitrate	硝酸銀	Corrosive	腐蝕性	34	20, 22, 31
Sodium Chlorate	氯酸鈉	Oxidizing and Harmful	助燃及有害	9, 20/22	10, 11, 13, 23
Sodium Cyanide (see Hydrogen Cyanide, Salts of)	氰化鈉 (見氰化氫鹽)				
Sodium Dichromate	重鉻酸鈉	Irritant	刺激性	36/37/38, 43	18, 24
Sodium Dithionite (see Sodium Hydrosulphite)	連二亞硫酸鈉 (見低亞硫酸鈉)				
Sodium Fluoride	氟化鈉	Toxic	有毒	23/24/25	1, 16/17, 22, 38
Sodium Fluorosilicate	氟硅酸鈉	Toxic	有毒	23/24/25	1, 16/17, 22, 38
Sodium Hydrosulphite; Sodium Dithionite	低亞硫酸鈉； 連二亞硫酸鈉	Harmful	有害	7, 22, 31, 49	6/7, 22, 24, 37
Sodium Hydroxide, Anhydrous; Caustic Soda	無水氫氧化鈉； 苛性蘇打	Corrosive	腐蝕性	35	22, 23, 31/33
Sodium Hydroxide Solution with more than 5% Sodium Hydroxide	氫氧化鈉溶液， 含氫氧化鈉 超過 5%	Corrosive	腐蝕性	35	22, 23, 31/33
Sodium Hydroxide Solution with at least 1% but not more than 5% Sodium Hydroxide	氫氧化鈉溶液， 含氫氧化鈉不少 於 1% 但不超過 5%	Irritant	刺激性	36/38	22
Sodium Hypochlorite Solution, containing more than 10% Active Chlorine	次氯酸鈉溶液， 含活性氯超過 10%	Corrosive	腐蝕性	31, 34	20/21, 24

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施		
Sodium Hypochlorite Solution, containing at least 5% but not more than 10% Active Chlorine	次氯酸鈉溶液，含活性氯不少於5% 但不超過10%	Irritant	刺激性	31, 36/38	21
Sodium Nitrite	亞硝酸鈉	Oxidizing and Toxic	助燃及有毒	8, 25	16/17, 38
Sodium Perchlorate	高氯酸鈉	Oxidizing and Harmful	助燃及有害	9, 22	10, 11, 18, 23
Sodium Peroxide	過氧化鈉	Oxidizing and Corrosive	助燃及腐蝕性	8, 35	7, 23, 31/33
Sodium Salt of Dichloroisocyanuric Acid; Dichloro-1, 3, 5-triazine-trione, Sodium Salt	二氯異氰尿酸的鈉鹽；二氯 -1, 3, 5- 三嗪三酮的鈉鹽	Oxidizing and Harmful	助燃及有害	8, 22, 31, 36/37	7, 22, 35
Sodium Sulphide	硫化鈉	Corrosive	腐蝕性	31, 34	20/21, 22
Stannic Chloride	氯化錫	Corrosive	腐蝕性	34, 37	6/7, 20/21, 22
Styrene	苯乙烯	Flammable and Irritant	易燃及刺激性	10, 36/37	13, 19, 21
Succinic Anhydride	琥珀酐	Irritant	刺激性	36/37	21
Sulphuric Acid, at least 5% but not more than 15%	硫酸，不少於5% 但不超過15%	Irritant	刺激性	36/38	22
Sulphuric Acid, more than 15%	硫酸，超過15%	Corrosive	腐蝕性	35	22, 26, 30/31/33
Sulphuryl Chloride	硫酰氯	Corrosive	腐蝕性	14, 34, 37	20/21, 22, 26
1, 1, 2, 2-Tetrachloroethane	1, 1, 2, 2-四氯乙烷	Toxic	有毒	26/27	10, 20, 32, 39
Tetrachloroethylene (see Perchloroethylene)	四氯乙烯 (見全氯乙烯)				
Tetrachloromethane (see Carbon Tetrachloride)	四氯甲烷 (見四氯化碳)				
Tetrahydrofuran	四氫呋喃	Flammable and Irritant	易燃及刺激性	11, 19, 36/37	6/8, 13, 25, 27
Thionyl Chloride	亞硫酰氯	Corrosive	腐蝕性	14, 34, 37	20/21, 22, 26

1. Name of Substance 名稱	2. Classification 危險分類	3. Particular Risks 危險情況	4. Safety Precautions 安全措施
Titanium Tetrachloride	四氯化鈦 Corrosive	腐蝕性	14, 34, 36/37 6/7, 20/21, 22
Toluene	甲苯 Flammable and Harmful	易燃及有害	11, 20 6/8, 13, 25, 27
Toluene-diisocyanate (Mixture of Isomers)	甲苯二異氰酸酯(異構體混合物) Toxic	有毒	26, 36/37/38, 42 16/17, 22, 24, 32, 39
1, 1, 1- Trichloroethane; Mehtyl Chloroform	1, 1, 1- 三氯乙烷；甲基氯仿 Harmful	有害	20/22 21
Trichloroethylene	三氯乙烯 Harmful	有害	20/22 21
Trichloromethane (see Chloroform)	三氯甲烷(見氯仿)		
Trichloro-(methyl) silane(see Methyl-trichlorosilane)	三氯(甲基)硅烷(見甲基三氯硅烷)		
Trichlorosilane	三氯硅烷 Flammable	易燃	15, 17 6/7, 13, 20/21, 37
Tricresyl Phosphates, Mixtures of, containing more than 1% of Esterified o-Cresol; Tritolyl Phosphates	磷酸三甲苯酯混合物，含酯化鄰甲苯酚超過1%；磷酸三甲酚酯 Toxic	有毒	23/24/25, 39 16/17, 24, 38
Tricresyl Phosphates, Mixtures of, containing a maximum of 1% of Esterified o-Cresol; Tritolyl Phosphates	磷酸三甲苯酯混合物，含酯化鄰甲苯酚不超過1%；磷酸三甲酚酯 Harmful	有害	21/22 24
Triethylamine	三乙胺 Flammable and Irritant	易燃及刺激性	11, 36/37 6/8, 13, 22, 25
Trimethylamine	三甲胺 Flammable and Irritant	易燃及刺激性	13, 36/37 8, 13, 22, 25
3,5,5-Trimethyl-cyclohex-2-enone (see Isophorone)	3, 5, 5- 三甲基-2- 環己烯酮(見異佛爾酮)		
2, 4, 6-Trimethyl-1, 3, 5-trioxan (see Paraldehyde)	2, 4, 6- 三甲基-1, 3, 5- 三噁烷(見仲乙醛)		

1. <i>Name of Substance</i> 名稱		2. <i>Classification</i> 危險分類		3. <i>Particular Risks</i> 危險情況	4. <i>Safety Precautions</i> 安全措施
Tritolyl Phosphates (see Tricresyl Phosphates)	磷酸三甲酚酯 (見磷酸三甲 苯酯)				
Turpentine	松節油	Flammable and Harmful	易燃及有害	10, 20/21/22	13
Vanadium Pentoxide	五氧化二釩	Harmful	有害	20	18
Xylene, all Isomers	二甲苯，所有異構體	Flammable and Harmful	易燃及有害	10, 20	13, 20/21
Xylenol, all Isomers	二甲苯酚，所有異構體	Toxic	有毒	24/25, 34	16/17, 24, 38
Zinc Chloride	氯化鋅	Corrosive	腐蝕性	34	6/7, 20/21, 24
Zinc Dust; Zinc Powder	鋅粉末	Flammable	易燃	10, 15	6/7, 13, 37
Zinc Dust; Zinc Powder (Pyrophoric)	鋅粉末 (引火性)	Flammable	易燃	15, 17	6/7, 13, 37

Appendix II
SECOND SCHEDULE
附表 2
SYMBOLS
符號

<i>Classification</i> 危險分類	<i>Symbol</i> 符號
Explosive 爆炸性	
Oxidizing 助燃	
Flammable 易燃	
Toxic 有毒	

Classification

危險分類

Symbol

符號

Harmful
有害



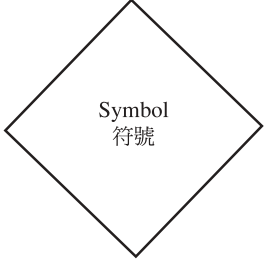
Corrosive
腐蝕性



Irritant
刺激性



PRESCRIBED FORM OF LABEL
限定標籤格式

	Chemical name or common name 化學名稱或普通名稱
	Particular Risks 危險情況
	* * * *
	Safety Precautions 安全措施
	* * * *

Appendix III

THIRD SCHEDULE

附表3

LIST OF PARTICULAR RISKS

危險情況列表

<i>Single risks</i>	<i>危險情況</i>
1. Explosive when dry	乾燥時容易爆炸
2. Risk of explosion by shock, friction, fire or other sources of ignition	震盪、磨擦、接觸火焰或其他火源即可能爆炸
3. Extreme risk of explosion by shock, friction, fire or other sources of ignition	震盪、磨擦、接觸火焰或其他火源即極易爆炸
4. Forms very sensitive explosive metallic compounds	形成極度敏感的爆炸性金屬化合物
5. Heating may cause an explosion	加熱可能引起爆炸
6. Explosive with or without contact with air	不論是否與空氣接觸都容易爆炸
7. May cause fire	可能引起火警
8. Contact with combustible material may cause fire	與可燃物料接觸可能引起火警
9. Explosive when mixed with combustible material	與可燃物料混合時容易爆炸
10. Flammable	易燃
11. Highly flammable	高度易燃
12. Extremely flammable	極度易燃
13. Extremely flammable liquefied gas	極度易燃的液化氣體
14. Reacts violently with water	遇水即產生強烈反應
15. Contact with water liberates highly flammable gases	遇水即放出高度易燃氣體
16. Explosive when mixed with oxidizing substances	與助燃物質混合時容易爆炸
17. Spontaneously flammable in air	在空氣中會自動燃燒
18. In use, may form flammable/explosive vapour-air mixture	使用時，可能產生易燃 / 爆炸性氣體及空氣混合氣體
19. May form explosive peroxides	可能產生容易爆炸的過氧化物
20. Harmful by inhalation	吸入後會對人體有害
21. Harmful in contact with skin	沾及皮膚後會對人體有害
22. Harmful if swallowed	吞食後會對人體有害
23. Toxic by inhalation	吸入後會中毒
24. Toxic in contact with skin	沾及皮膚後會中毒
25. Toxic if swallowed	吞食後會中毒
26. Very toxic by inhalation	吸入後會中劇毒
27. Very toxic in contact with skin	沾及皮膚後會中劇毒
28. Very toxic if swallowed	吞食後會中劇毒
29. Contact with water liberates toxic gas	遇水即放出毒氣
30. Can become highly flammable in use	使用時，可以變得高度易燃
31. Contact with acids liberates toxic gas	與酸接觸後即放出毒氣

Single risks

危險情況

32. Contact with acids liberates very toxic gas	與酸接觸後即放出劇毒氣體
33. Danger of cumulative effects	有累積效果的危險
34. Causes burns	引致灼傷
35. Causes severe burns	引致嚴重灼傷
36. Irritating to eyes	刺激眼睛
37. Irritating to respiratory system	刺激呼吸系統
38. Irritating to skin	刺激皮膚
39. Dangers of very serious irreversible effects	有對人體造成非常嚴重及永不復原的損害的危險
40. Possible risk of irreversible effects	可能對人體造成永不復原的損害
41. Risk of serious damage to eyes	可能對眼睛造成嚴重損害
42. May cause sensitisation by inhalation	吸入後可能引起敏感
43. May cause sensitisation by skin contact	沾及皮膚後可能引起敏感
44. Risk of explosion if heated under confinement	在密封情況下加熱可能爆炸
45. May cause cancer	可能引致癌症
46. May cause heritable genetic damage	可能造成遺傳性的基因損害
47. May cause birth defects	可能引致先天性缺陷
48. Danger of serious damage to health by prolonged exposure	長期接觸可能嚴重危害健康
49. Spontaneously combustible in air when wet	當潮濕時，在空氣中會自動燃燒

Combinations of risks

同時出現的危險情況

14/15.	Reacts violently with water, liberating highly flammable gases	遇水即產生強烈反應，並放出高度易燃氣體
15/29.	Contact with water liberates toxic, highly flammable gas	遇水即放出有毒及高度易燃氣體
20/21.	Harmful by inhalation and in contact with skin	吸入或沾及皮膚後都對人體有害
20/21/22.	Harmful by inhalation, in contact with skin and if swallowed	吸入，沾及皮膚或吞食後都對人體有害
20/22.	Harmful by inhalation and if swallowed	吸入或吞食後都對人體有害
21/22.	Harmful in contact with skin and if swallowed	沾及皮膚或吞食後都對人體有害
23/24.	Toxic by inhalation and in contact with skin	吸入或沾及皮膚後會中毒
23/24/25.	Toxic by inhalation, in contact with skin and if swallowed	吸入、沾及皮膚或吞食後會中毒
23/25.	Toxic by inhalation and if swallowed	吸入或吞食後會中毒
24/25.	Toxic in contact with skin and if swallowed	沾及皮膚或吞食後會中毒
26/27.	Very toxic by inhalation and in contact with skin	吸入或沾及皮膚後會中劇毒
26/27/28.	Very toxic by inhalation, in contact with skin and if swallowed	吸入、沾及皮膚或吞食後會中劇毒
26/28.	Very toxic by inhalation and if swallowed	吸入或吞食後會中劇毒
27/28.	Very toxic in contact with skin and if swallowed	沾及皮膚或吞食後會中劇毒
36/37.	Irritating to eyes and respiratory system	刺激眼睛及呼吸系統
36/37/38.	Irritating to eyes, respiratory system and skin	刺激眼睛、呼吸系統及皮膚
36/38.	Irritating to eyes and skin	刺激眼睛及皮膚
37/38.	Irritating to respiratory system and skin	刺激呼吸系統及皮膚
42/43.	May cause sensitisation by inhalation and skin contact	吸入或沾及皮膚後都可能引起敏感

Appendix IV

FOURTH SCHEDULE

附表 4

LIST OF SAFETY PRECAUTIONS

安全措施列表

Single safety precautions

安全措施

- | | |
|--|------------------------------------|
| 1. Keep locked up | 必須緊鎖 |
| 2. Keep in a cool place | 存放在陰涼地方 |
| 3. Keep away from living quarters | 切勿放近住所 |
| 4. Keep contents under _____
(appropriate liquid to be specified) | 容器內的化學品必須存在 _____
(須指定適當液體) |
| 5. Keep under _____ (inert gas to be specified) | 保存在 _____ (須指定適當的惰性氣體) |
| 6. Keep container tightly closed | 容器必須蓋緊 |
| 7. Keep container dry | 容器必須保持乾燥 |
| 8. Keep container in a well ventilated place | 容器必須放在通風的地方 |
| 9. Do not keep the container sealed | 切勿將容器密封 |
| 10. Keep away from food, drink and animal feeding stuffs | 切勿放近食物、飲品及動物飼料 |
| 11. Keep away from _____ (incompatible materials to be indicated) | 切勿放近 _____ (須指定互不相容的物質) |
| 12. Keep away from heat | 切勿受熱 |
| 13. Keep away from sources of ignition — No Smoking | 切勿近火——不准吸煙 |
| 14. Keep away from combustible material | 切勿放近易燃物質 |
| 15. Handle and open container with care | 處理及打開容器時，必須小心 |
| 16. When using do not eat or drink | 使用時，嚴禁飲食 |
| 17. When using do not smoke | 使用時，嚴禁吸煙 |
| 18. Do not breathe dust | 切勿吸入塵埃 |
| 19. Do not breathe gas/fumes/vapour/spray
(appropriate wording to be specified) | 切勿吸入氣體 / 煙霧 / 蒸氣 / 噴霧
(須指定適當字眼) |
| 20. Avoid contact with skin | 避免沾及皮膚 |
| 21. Avoid contact with eyes | 避免沾及眼睛 |
| 22. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice | 如沾及眼睛，立即用大量清水清洗，並盡快就醫診治 |
| 23. Take off immediately all contaminated clothing | 所有受污染的衣物必須立即脫掉 |
| 24. After contact with skin, wash immediately with plenty of _____ (to be specified) | 沾及皮膚後，立即用大量 _____
(須予指定) 來清洗 |
| 25. Do not empty into drains | 切勿倒入水渠 |
| 26. Never add water to this product | 切勿把水加入這種物品 |
| 27. Take precautionary measures against static discharges | 採取措施，防止靜電發生 |
| 28. Avoid shock and friction | 避免震盪和磨擦 |
| 29. This material and its container must be disposed of safely by _____ (to be specified) | 這種物質及其容器必須由 _____
(須予指定) 安全地棄掉 |

Single safety precautions

安全措施

- | | |
|--|---|
| 30. Wear suitable protective clothing | 穿著適當的防護衣物 |
| 31. Wear suitable protective gloves | 戴上適當的防護手套 |
| 32. In case of insufficient ventilation, wear suitable respiratory equipment | 如通風不足，則須配戴適當的呼吸器 |
| 33. Wear eye/face protection (appropriate wording to be specified) | 配戴護眼 / 護面用具 (須予指定適當字眼) |
| 34. To clean the floor and all objects contaminated by this material use _____ (to be specified) | 使用 _____ (須予指定) 來清理受這種物質污染的地板及物件 |
| 35. In case of fire and/or explosion do not breathe fumes | 遇到火警及 / 或爆炸時，切勿吸入薰煙 |
| 36. During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified) | 進行煙薰 / 噴霧時，配戴適當的呼吸器 (須指定適當字眼) |
| 37. In case of fire, use _____ (indicate in the space the precise type of fire-fighting equipment; if water increases the risk, add — "Never use water") | 遇到火警時，使用 _____ (在空位上註明應該使用何種滅火設備；如果用水會增加危險，加註—— "切勿用水") |
| 38. If you feel unwell, seek medical advice (show the label where possible) | 如感不適，應就醫診治 (可能的話，出示有關標籤) |
| 39. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) | 遇到意外或感到不適時，立即就醫診治 (可能的話，出示有關標籤) |
| 40. If swallowed seek medical advice immediately and show this container or label | 誤吞後立即就醫診治，並出示此容器或標籤 |
| 41. Keep at temperature not exceeding _____ °C (to be specified) | 存放溫度不超過攝氏 _____ 度 (須予指定) |
| 42. Keep wetted with _____ (appropriate material to be specified) | 以 _____ 保持濕潤 (須指定適當物質) |
| 43. Keep only in the original container | 祇可存放在原用的容器內 |
| 44. Do not mix with _____ (to be specified) | 切勿與 _____ (須予指定) 混和 |
| 45. Use only in well ventilated areas | 祇可在通風的地方使用 |
| 46. Not recommended for interior use on large surface areas | 不宜在室內施用於表面闊大的物件 |

Combinations of safety precautions

各種安全措施的配合運用

2/6/8.	Keep container tightly closed, in a cool well ventilated place	容器必須蓋緊，存放在陰涼通風的地方
2/8.	Keep in a cool well ventilated place	存放在陰涼通風的地方
2/8/11.	Keep in a cool, well ventilated place away from _____ _____ (incompatible materials to be indicated)	存放在陰涼通風的地方，切勿放近 _____ (須指明互不相容的物質)
2/8/11/43.	Keep only in the original container in a cool, well ventilated place away from _____ (incompatible materials to be indicated)	祇可存放在原用的容器內，並放在陰涼通風的地方，切勿放近 _____ (須指明互不相容的物質)
2/8/43.	Keep only in the original container in a cool, well ventilated place	祇可存放在原用的容器內，並放在陰涼通風的地方
2/11.	Keep in a cool place away from _____ (incompatible materials to be indicated)	存放在陰涼的地方，切勿放近 _____ (須指明互不相容的物質)
6/7.	Keep container tightly closed and dry	容器必須蓋緊，保持乾燥
6/8.	Keep container tightly closed and in a well ventilated place	容器必須蓋緊，並存放在通風的地方
16/17.	When using do not eat, drink or smoke	使用時，嚴禁飲食或吸煙
20/21.	Avoid contact with skin and eyes	避免沾及皮膚和眼睛
30/31.	Wear suitable protective clothing and gloves	穿著適當的防護衣物，並戴上適當的防護手套
30/31/33.	Wear suitable protective clothing, gloves and eye/face protection (appropriate wording to be specified)	穿著適當的防護衣物，並戴上適當的防護手套及護眼 / 護面用具 (須指定適當字眼)
30/33.	Wear suitable protective clothing and eye/face protection (appropriate wording to be specified)	穿著適當的防護衣物，並戴上適當的護眼 / 護面用具 (須指定適當字眼)
31/33.	Wear suitable gloves and eye/face protection (appropriate wording to be specified)	戴上適當的手套及護眼 / 護面用具 (須指定適當字眼)
41/43.	Keep only in the original container at temperature not exceeding _____ °C (to be specified)	祇可存放在原用的容器內，溫度不得超過攝氏 _____ 度 (須予指定)

