

Danger



SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Trade name : Propylene Oxide
Name : Propylene Oxide
CAS-No. : 75-56-9

1.2. Other means of identification

Product code : ALM/SDS/382

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Industrial and professional use for chemical analysis, calibration, (routine) quality control, laboratory use, under controlled conditions
Perform risk assessment prior to use.

Restrictions on use : Consumer use.
Uses other than those listed above are not supported, contact your supplier for more information on other uses.

1.4. Supplier details

AIR LIQUIDE MALAYSIA SDN. BHD.
Lot PT 2317, No. 21, Jalan PTB 1
Kawasan Perindustrian Tangga Batu, Mukim Sungai Udang,
76400 Melaka
Malaysia
T +606-3513512

1.5. Emergency phone number

Emergency number : +606-3513512

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Flammable liquids, Category 1	H224
Carcinogenicity, Category 1B	H350
Germ cell mutagenicity, Category 1B	H340
Acute toxicity (inhal.), Category 3	H331
Acute toxicity (dermal), Category 3	H311
Acute toxicity (oral), Category 4	H302
Serious eye damage or eye irritation, Category 2	H319
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

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2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Hazard pictograms (GHS MY) :



Signal word (GHS MY) :

Danger

Contains :

propylene oxide

Hazard statements (GHS MY) :

H224 - Extremely flammable liquid and vapour

H350 - May cause cancer

H340 - May cause genetic defects

H311+H331 - Toxic if in contact with skin or inhaled

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements (GHS MY) :

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ventilating/lighting/... equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P264 - Wash ... thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P281 - Use personal protective equipment as required

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

P303+P361+P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308+P313 - IF exposed or concerned: Get medical advice/attention

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P321 - Specific treatment (see ... on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

P370+P378 - In case of fire: Use ... for extinction

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P403+P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container to ...

2.3. Other hazards that do not result in classification

Other hazards which do not result in classification : Not classified as PBT or vPvB, The substance/mixture has no endocrine disrupting properties.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
propylene oxide	CAS-No.: 75-56-9	100

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SECTION 4: First-aid measures

4.1. Description of necessary first aid measures

- First-aid measures after inhalation : Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Perform cardiopulmonary resuscitation if breathing stopped.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- First-aid measures after ingestion : Ingestion is not considered a potential route of exposure.

4.2. Most important symptoms/effects, acute and delayed

- Most important symptoms and effects, both acute and delayed : May cause irritation to cornea (with temporary disturbance to vision). May cause irritation to skin. May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. See section 11.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

- Other medical advice or treatment : Obtain medical assistance.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Shutting off the source of the gas is the preferred method of control.
- Unsuitable extinguishing media : Do not use water jet to extinguish. Carbon dioxide.

5.2. Physicochemical hazards arising from the chemical

- Reactivity in case of fire : No reactivity hazard other than the effects described in sub-sections below.

5.3. Special protective equipment and precautions for fire fighters

- Special protective equipment for fire fighters : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. Standard EN 943-2: Protective clothing against liquid and gaseous chemicals, aerosols and solid particles. Gas-tight chemical protective suits for emergency teams. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.
- Specific methods : Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive re-ignition may occur. Extinguish any other fire, Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas receptacles to rupture. Cool endangered receptacles with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems, If possible, stop flow of product, Use water spray or fog to knock down fire fumes if possible, Move containers away from the fire area if this can be done without risk.
- EAC code : •3YE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Act in accordance with local emergency plan. Try to stop release. Evacuate area. Eliminate ignition sources. Ensure adequate air ventilation. Stay upwind. See section 8 of the SDS for more information on personal protective equipment.

6.1.2. For emergency responders

- Emergency procedures : Monitor concentration of released product. Consider the risk of potentially explosive atmospheres. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. See section 5.3 of the SDS for more information.

6.2. Environmental precautions

- Try to stop release. Reduce vapour with fog or fine water spray.

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6.3. Methods and materials for containment and cleaning up

Methods and material for containment and cleaning up : Hose down area with water. Wash contaminated equipment or sites of leaks with copious quantities of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Safe handling of the gas receptacle

: Refer to supplier's container handling instructions. Do not allow backfeed into the container. Protect containers from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use. If user experiences any difficulty operating valve discontinue use and contact supplier. Never attempt to repair or modify container valves or safety relief devices. Damaged valves should be reported immediately to the supplier. Keep container valve outlets clean and free from contaminants particularly oil and water. Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment. Close container valve after each use and when empty, even if still connected to equipment. Never attempt to transfer gases from one cylinder/container to another. Never use direct flame or electrical heating devices to raise the pressure of a container. Do not remove or deface labels provided by the supplier for the identification of the content of the container. Suck back of water into the container must be prevented. Open valve slowly to avoid pressure shock.

Safe use of the product

: Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment. Purge air from system before introducing gas. Take precautionary measures against static discharge. Keep away from ignition sources (including static discharges). Consider the use of only non-sparking tools. Ensure equipment is adequately earthed. Avoid exposure, obtain special instructions before use. The product must be handled in accordance with good industrial hygiene and safety procedures. Only experienced and properly instructed persons should handle gases under pressure. Consider pressure relief device(s) in gas installations. Ensure the complete gas system was (or is regularly) checked for leaks before use. Do not smoke while handling product. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Avoid suck back of water, acid and alkalis. Do not breathe gas. Avoid release of product into work area.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities

: Segregate from oxidant gases and other oxidants in store. All electrical equipment in the storage areas should be compatible with the risk of a potentially explosive atmosphere. Observe all regulations and local requirements regarding storage of containers. Containers should not be stored in conditions likely to encourage corrosion. Container valve guards or caps should be in place. Containers should be stored in the vertical position and properly secured to prevent them from falling over. Stored containers should be periodically checked for general condition and leakage. Keep container below 50°C in a well ventilated place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible materials.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

propylene oxide (75-56-9)	
Malaysia - Occupational Exposure Limits	
Local name	Propilena oksida (1,2-Epoksiopropana) # Propylene oxide (1,2-Epoxypropane)
PEL (OEL TWA) [1]	48 mg/m ³
PEL (OEL TWA) [2]	20 ppm
MEL (mg/m ³)	144 mg/m ³
MEL (ppm)	60 ppm

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China - Occupational Exposure Limits	
Local name	环氧丙烷# Propylene Oxide
OEL PC-TWA	5 mg/m ³
Remark (CN)	敏 G2B (可疑人类致癌物 (possibly carcinogenic to humans))
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Methyloxiran (Propylenoxid)
AGW (OEL TWA) [1]	2.4 mg/m ³
AGW (OEL TWA) [2]	1 ppm
Peak exposure limitation factor	4(l)
Remark	AGS - Ausschuss für Gefahrstoffe; EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); Sh - Hautsensibilisierender Stoff; X - Krebserzeugender Stoff der Kat. 1A oder 1B oder krebserzeugende Tätigkeit oder Verfahren nach § 2 Absatz 3 Nr. 4 der Gefahrstoffverordnung – es ist zusätzlich § 10 GefStoffV zu beachten; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 28 - Formale Umsetzung der Richtlinie 2017/2398/EU
Regulatory reference	TRGS900
Germany - Biological limit values (TRGS 903)	
Local name	Propylenoxid (1,2-Epoxypropan)
Biological limit value	2500 pmol/g hemoglobin Parameter: N-(2-Hydroxypropyl)valin - Untersuchungsmaterial: B _E = Erythrozytenfraktion des Vollblutes - Probenahmezeitpunkt: f) nach mindestens 3 Monaten Exposition - Festlegung/Begründung: 11/2017 DFG
Regulatory reference	TRGS 903
United Kingdom - Occupational Exposure Limits	
Local name	Propylene oxide
WEL TWA (OEL TWA) [1]	2.4 mg/m ³
WEL TWA (OEL TWA) [2]	1 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
New Zealand - Occupational Exposure Limits	
Local name	Propylene oxide (1,2-Epoxypropane)
WES-TWA (OEL TWA) [1]	12 mg/m ³
WES-TWA (OEL TWA) [2]	5 ppm
Remark (NZ)	6.7B (Suspected carcinogen)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 8th Edition
USA - ACGIH - Occupational Exposure Limits	
Local name	Propylene oxide
ACGIH OEL TWA [ppm]	2 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: DSEN; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2023

Exposure limit values for the other components

No additional information available

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8.1.1 Biological monitoring

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Gas detectors should be used when flammable gases/vapours may be released. Consider the use of a work permit system e.g. for maintenance activities. Product to be handled in a closed system and under strictly controlled conditions. Preferably use permanent leak-tight installations (e.g. welded pipes). Systems under pressure should be regularly checked for leakages. Ensure exposure is below occupational exposure limits (where available).

8.3. Individual protection measures, such as PPE

Hand protection:

Wear chemically resistant protective gloves. Standard EN 374 - Protective gloves against chemicals. Consult glove manufacturer's product information on material suitability and material thickness. The breakthrough time of the selected gloves must be greater than the intended use period. Wear working gloves when handling gas containers. Standard EN 388 - Protective gloves against mechanical risks, performance level 1 or higher.

Eye protection:

Wear goggles and a face shield when transfilling or breaking transfer connections. Provide readily accessible eye wash stations and safety showers. Standard EN 166 - Personal eye-protection - specifications

Respiratory protection:

Self contained breathing apparatus is recommended, where unknown exposure may be expected, e.g. during maintenance activities on installation systems. Keep self contained breathing apparatus readily available for emergency use. Consult respiratory device supplier's product information for the selection of the appropriate device. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. Gas filters may be used if all surrounding conditions e.g. type and concentration of the contaminant(s) and duration of use are known. Use gas filters with full face mask, where exposure limits may be exceeded for a short-term period, e.g. connecting or disconnecting containers. Gas filters do not protect against oxygen deficiency. Standard EN 14387 - Gas filter(s), combined filter(s) and standard EN136, full face masks. When indicated by a risk assessment, Respiratory Protective Equipment must be used. The selection of the Respiratory Protective Device (RPD) must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected RPD.

Personal protective equipment symbol(s):



Thermal hazard protection

: None in addition to the above sections.

Environmental exposure controls

: Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Colourless.
Odour	: Odourless.
Odour threshold	: Odour threshold is subjective and inadequate to warn of overexposure.
pH	: Not applicable for gases and gas mixtures.
Melting point	: Not applicable for gases and gas mixtures.
Freezing point	: No data available
Boiling point	: .Not applicable for gas mixtures.
Flash point	: Not applicable for gases and gas mixtures.
Evaporation rate	: Relative evaporation rate (ether=1): Not applicable for gases and gas mixtures.
Flammability (solid, gas)	: Extremely flammable gas.

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Explosive limits	: Flammability range not available.
Vapour pressure	: No data available
Relative vapour density at 20°C	: Not applicable for gases and gas mixtures.
Relative density	: Relative gas density: Lighter or similar to air.
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: .Not applicable for gas mixtures.
Partition coefficient n-octanol/water (Log Kow)	: .Not applicable for gas mixtures.
Auto-ignition temperature	: Not known.
Decomposition temperature	: Not applicable.
Viscosity, kinematic	: Not applicable for gases and gas mixtures.
Viscosity, dynamic	: Not applicable for gases and gas mixtures.
Explosive properties	: Not applicable.
Molecular mass	: .Not applicable for gas mixtures.
Oxidising properties	: No oxidising properties.
Additional information	: None.

SECTION 10: Stability and reactivity

Reactivity	: Data for mixtures are not available
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Can form explosive mixture with air,May react violently with oxidants.
Conditions to avoid	: Keep away from heat/sparks/open flames/hot surfaces. – No smoking,Avoid moisture in installation systems.
Incompatible materials	: Air, Oxidisers,For additional information on compatibility refer to ISO 11114.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Toxic if in contact with skin.
Acute toxicity (inhalation)	: Toxic if inhaled.

propylene oxide (75-56-9)	
LC50 Inhalation - Rat [ppm]	7200 ppm/4h

Skin corrosion or irritation	: Not classified pH: Not applicable for gases and gas mixtures.
Serious eye damage or eye irritation	: Causes serious eye irritation.
Respiratory sensitization	: Not classified
Skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity (STOT) – single exposure	: May cause respiratory irritation.

propylene oxide (75-56-9)	
Specific target organ toxicity (STOT) – single exposure	May cause respiratory irritation.

Specific target organ toxicity (STOT) – repeated exposure	: Not classified
Aspiration hazard	: Not classified

Propylene Oxide (75-56-9)	
Viscosity, kinematic	Not applicable for gases and gas mixtures.

Other information	: The substance/mixture has no endocrine disrupting properties.
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SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general : No data available.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Propylene Oxide (75-56-9)	
Partition coefficient n-octanol/water (Log Kow)	.Not applicable for gas mixtures.
Partition coefficient n-octanol/water (Log Pow)	.Not applicable for gas mixtures.

12.2. Persistence and degradability

Propylene Oxide (75-56-9)	
Persistence and degradability	No ecological damage caused by this product.

12.3. Bioaccumulative potential

Propylene Oxide (75-56-9)	
Partition coefficient n-octanol/water (Log Pow)	.Not applicable for gas mixtures.
Partition coefficient n-octanol/water (Log Kow)	.Not applicable for gas mixtures.
Bioaccumulative potential	No data available.

12.4. Mobility in soil

Propylene Oxide (75-56-9)	
Mobility in soil	No additional information available
Partition coefficient n-octanol/water (Log Pow)	.Not applicable for gas mixtures.
Partition coefficient n-octanol/water (Log Kow)	.Not applicable for gas mixtures.
Ecology - soil	No ecological damage caused by this product.

12.5. Other adverse effects

Ozone : Not classified
Effect on the ozone layer : No effect on the ozone layer.
Other adverse effects : May cause pH changes in aqueous ecological systems.

SECTION 13: Disposal information

13.1. Disposal methods

Waste treatment methods : Contact supplier if guidance is required. Ensure that the emission levels from local regulations or operating permits are not exceeded. Refer to the EIGA code of practice Doc.30 "Disposal of Gases", downloadable at <http://www.eiga.eu> for more guidance on suitable disposal methods. Must not be discharged to atmosphere. Return unused product in original container to supplier.

Additional information : External treatment and disposal of waste should comply with applicable local and/or national regulations.

SECTION 14: Transportation information

14.1. UN number

UN-No. (UN RTDG) : 1280
UN-No. (IMDG) : 1280
UN-No. (IATA) : 1280

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14.2. UN proper shipping name

Proper Shipping Name (UN RTDG) : PROPYLENE OXIDE
Proper Shipping Name (IMDG) : PROPYLENE OXIDE
Proper Shipping Name (IATA) : Propylene oxide

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG) : 3
Danger labels (UN RTDG) : 3
:



IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3
:



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3
:



14.4. Packing Group, if applicable

Packing group (UN RTDG) : I
Packing group (IMDG) : I
Packing group (IATA) : I

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Special transport precautions : Avoid transport on vehicles where the load space is not separated from the driver's compartment, Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency, Before transporting product containers: - Ensure there is adequate ventilation, - Ensure that containers are firmly secured, - Ensure valve is closed and not leaking, - Ensure valve outlet cap nut or plug (where provided) is correctly fitted, - Ensure valve protection device (where provided) is correctly fitted.

UN RTDG

Limited quantities (UN RTDG) : 0
Excepted quantities (UN RTDG) : E3
Packing instruction (UN RTDG) : P001
Portable tank and bulk container special instructions (UN RTDG) : T11
Portable tank and bulk container special provisions (UN RTDG) : TP2, TP7

IMDG

Limited quantities (IMDG) : 0

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Excepted quantities (IMDG)	: E3
Packing instructions (IMDG)	: P001
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP7
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG)	: E
Stowage and handling (IMDG)	: SW2
Flash point (IMDG)	: below -18°C c.c.
Properties and observations (IMDG)	: Colourless, volatile liquid with an ether-like odour. Flashpoint: below -18°C c.c. Explosive limits: 2% to 22% Boiling point: 34°C. Partially miscible with water.

IATA

PCA Excepted quantities (IATA)	: E3
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 351
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 361
CAO max net quantity (IATA)	: 30L
ERG code (IATA)	: 3H

14.7. Special precautions for user

IBC code : Not applicable.

14.8. Hazchem or Emergency Action Code

EAC code : •3YE.

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

Propylene Oxide (75-56-9)	
Regulation	Component/ Mixture
EHS Notification and Registration Scheme	Applicable
EHS Notification and Registration Scheme	Applicable propylene oxide; 1,2-epoxypropane; methyloxirane
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993	Not applicable Propylene Oxide
Environmental Quality (Industrial Effluent) Regulations 2009	Propylene Oxide
Environmental Quality (Scheduled Wastes) Regulations 2007	Propylene Oxide
Control of Industrial Major Accident Hazards Regulations 1996	Group 3 Highly reactive substance Propylene oxide
Prohibition of Use of Substance Order 1999	Not applicable Propylene Oxide
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000	Propylene Oxide
Chemical Weapons Convention Act	Propylene Oxide
Corrosive and Explosive Substances and Offensive Weapons Act	Propylene Oxide
Dangerous Drugs Act	Propylene Oxide
Pesticides Act	Propylene Oxide
Petroleum (Safety Measures) Act	Propylene Oxide

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Poisons Act 1952		Propylene Oxide
Poisons (Psychotropic Substances) Regulations 1989		Propylene Oxide

15.2. International agreements

No additional information available

SECTION 16: Other information

Version : 0.0
Issue date : 1/5/2023

Abbreviations and acronyms : ATE - Acute Toxicity Estimate
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
EINECS - European Inventory of Existing Commercial Chemical Substances
CAS# - Chemical Abstract Service number
PPE - Personal Protection Equipment
LC50 - Lethal Concentration to 50 % of a test population
RMM - Risk Management Measures
PBT - Persistent, Bioaccumulative and Toxic
vPvB - Very Persistent and Very Bioaccumulative
STOT- SE : Specific Target Organ Toxicity - Single Exposure
CSA - Chemical Safety Assessment
EN - European Standard
UN - United Nations
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA - International Air Transport Association
IMDG code - International Maritime Dangerous Goods
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
WGK - Water Hazard Class
STOT - RE : Specific Target Organ Toxicity - Repeated Exposure
UFI : Unique Formula Identifier

Training advice : Ensure operators understand the flammability hazard. Users of breathing apparatus must be trained.

Other information : Classification using data from databases maintained by the European Industrial Gases Association (EIGA). Data is maintained in EIGA doc 169 : 'Classification and Labelling Guide', downloadable at : <http://www.eiga.eu>. Classification in accordance with the procedures and calculation methods of Regulation (EC) 1272/2008 (CLP).

Safety Data Sheet (SDS), Malaysia_AL

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.