SAFETY DATA SHEET
METHANOL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name METHANOL

Product number 1002

Synonyms; trade names METHYL HYDROXIDE, METHYL ALCOHOL, MONOHYDROXYMETHANE, WOOD ALCOHOL, WOOD SPIRIT, CARBINOL

REACH registration number 01-2119433307-44-XXXX

CAS number 67-56-1

EU index number 603-001-00-X

EC number 200-659-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Manufacture of substance. Use as an intermediate. Distribution of substance. Formulation & (re)packing of substances and mixtures. Use as a fuel. Cleaning agents. Laboratory agents Water treatment chemicals Use in oil field drilling and production operations De-icing and anti-icing applications Other consumer uses.

Uses advised against This product is not recommended for any industrial, professional or consumer uses other than those identified above.

1.3. Details of the supplier of the safety data sheet

Supplier

6 SCIENCE LTD
UNIT 6 10 GREAT NORTHERN WAY
NETHERFIELD
NOTTINGHAM NG4 2HD

Tel. + 44 (0) 115 779 0196

Contact person info@6science.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0) 1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370

Environmental hazards Not Classified

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Classification (67/548/EEC or 1999/45/EC) F;R11 T;R23/24/25,R39/23/24/25

Human health Toxic by inhalation, in contact with skin and if swallowed Splashes in the eyes may cause redness and irritation. May cause sensitisation or allergic reactions in sensitive individuals. In high concentrations, vapours may be irritating to the respiratory system. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Ingestion of even small quantities may be fatal. See Section 11 for additional information on health hazards.

Environmental Not considered as an environmental hazard according to CLP criteria

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

EC number 200-659-6

Hazard pictograms

Signal word Danger

Hazard statements
H225 Highly flammable liquid and vapour.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
H370 Causes damage to organs .

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
P310 Immediately call a POISON CENTER/ doctor.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

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Supplementary precautionary statements

P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating /lighting/…/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash … thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P284 [In case of inadequate ventilation] wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P320 Specific treatment is urgent (see … on this label).
P321 Specific treatment (see … on this label).
P330 Rinse mouth.
P361 Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	METHANOL
REACH registration number	01-2119433307-44-XXXX
EU index number	603-001-00-X
CAS number	67-56-1
EC number	200-659-6
Chemical formula	CH3OH

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Keep affected person under observation. Effects may be delayed. If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person under observation. Get medical attention if symptoms are severe or persist. Show this Safety Data Sheet to the medical personnel.

Ingestion

Get medical attention immediately. Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Keep affected person under observation. Show this Safety Data Sheet to the medical personnel.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

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Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information Get medical attention immediately. The casualty should be transferred to hospital as soon as possible.

Inhalation Toxic by inhalation. Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Ingestion Toxic if swallowed. May cause unconsciousness, blindness and possibly death. Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. This product is rapidly absorbed through the skin and may cause symptoms similar to those of ingestion. Toxic in contact with skin. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact Irritation, burning, lachrymation, blurred vision after liquid splash. Vapour or spray in the eyes may cause irritation and smarting.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Causes acidosis. Causes central nervous system depression. Symptoms and effects may be delayed for 18 to 24 hours and in some cases up to 72 hours. Treatment of poisoning may require the use of ethanol. Treatment of acidosis may include correction with alkali solution, haemodialysis and supportive measures such as correction of electrolyte imbalances, where necessary. Potassium supplements may also be required.

Specific treatments No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire. Non-alcohol resistant foam

5.2. Special hazards arising from the substance or mixture

Specific hazards Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Solvent vapours may form explosive mixtures with air. May ignite at high temperature. Highly flammable liquid and vapour. Vapours may accumulate on the floor and in low-lying areas. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours may be ignited by a spark, a hot surface or an ember.

Hazardous combustion products Oxides of carbon. Acrid smoke or fumes.

5.3. Advice for firefighters

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Protective actions during firefighting

Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Take precautionary measures against static discharges. Take care as floors and other surfaces may become slippery. Follow precautions for safe handling described in this safety data sheet. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Environmental Manager must be informed of all major spillages. Do not discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid the spillage or runoff entering drains, sewers or watercourses. Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with international regulations. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours and spray/mists. Avoid spilling. Avoid release to the environment. Use explosion-proof electrical, ventilating and lighting equipment. Use only in well-ventilated areas. Use suitable respiratory protection if ventilation is inadequate. Take precautionary measures against static discharge. Earth container and transfer equipment to eliminate sparks from static electricity. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<=10 m/sec). AVOID splash filling Do not use compressed air for filling or discharging operations

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Advice on general occupational hygiene

Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Clean equipment and the work area every day. Contaminated clothing should be placed in a closed container for disposal or decontamination.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food, drink and animal feeding stuffs. Store in tightly-closed, original container in a well-ventilated place. Protect from moisture. Protect from sunlight. Store at ambient temperatures. Bund storage facilities to prevent soil and water pollution in the event of spillage. Earth container and transfer equipment to eliminate sparks from static electricity. Storage tanks and other containers must be earthed. Only store in correctly labelled containers. Suitable container materials: Carbon steel. Mild steel. Stainless steel. Unsuitable container materials: Zinc. Copper. Aluminium. May attack some plastics, rubber and coatings.

Storage class

Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m3(Sk)

WEL = Workplace Exposure Limit.

Ingredient comments

WEL = Workplace Exposure Limits

DNEL

Industry - Dermal; Short term systemic effects: 40 mg/kg/day
Industry - Inhalation; Short term systemic effects: 260 mg/m³
Industry - Dermal; Long term systemic effects: 40 mg/kg/day
Industry - Inhalation; Long term systemic effects: 260 mg/m³
Consumer - Dermal; Short term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Short term systemic effects: 50 mg/m³
Consumer - Oral; Short term systemic effects: 8 mg/kg/day
Consumer - Dermal; Long term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 50 mg/m³

PNEC

Industry - Fresh water; Long term 20.8 mg/l
Industry - marine water; Long term 2.08 mg/l
Industry - Intermittent release; Long term 1540 mg/l
Industry - STP; Long term 100 mg/l
Industry - Sediment (Freshwater); Long term 77 mg/kg
Industry - Sediment (Marinewater); Long term mg/kg
Industry - Soil; Long term mg/kg

8.2. Exposure controls

Protective equipment

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Appropriate engineering controls	As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Ensure the ventilation system is regularly maintained and tested. Use explosion-proof electrical, ventilating and lighting equipment. This product must not be handled in a confined space without adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Eye/face protection	Wear eye protection. If risk of splashing, wear safety goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Wear protective gloves. The selected gloves should have a breakthrough time of at least 8 hours. It is recommended that gloves are made of the following material: Butyl rubber. Polyethylene. Viton rubber (fluoro rubber). For short-term / splash protection the following are recommended Neoprene. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station and safety shower.
Hygiene measures	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated clothing should be placed in a closed container for disposal or decontamination.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Gas and combination filter cartridges should comply with European Standard EN14387. Change filter cartridge on respirator daily. Check that the respirator fits tightly and the filter is changed regularly. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. When spraying, wear a suitable supplied-air respirator.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Alcoholic.
Melting point	-97.8'C°C
Initial boiling point and range	64.7'C°C @ 760 mm Hg
Flash point	10°C Closed cup.
Evaporation rate	4 BuAc=1
Upper/lower flammability or explosive limits	: 6.70
Vapour pressure	12.8 kPa @ 20°C

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Vapour density	1.11
Bulk density	0.7906 @ 20'C kg/l
Solubility(ies)	Soluble in water. Miscible with the following materials: Organic solvents.
Partition coefficient	log Pow: - 0.8
Auto-ignition temperature	400°C
Viscosity	0.614 mPa s @ 20'C°C

9.2. Other information

Refractive index	1.3285
Molecular weight	32.05

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Strong oxidising agents. Acids.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts with strong oxidising agents Reacts with strong acids

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid heat. Avoid contact with the following materials: Strong oxidising agents. Avoid contact with acids.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Alkali metals.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Acrid smoke or fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects This product is toxic.

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} 1187 - 2769 mg/kg, Oral, Rat Classified as toxic There is a marked difference in acute oral toxicity between animals and man, man being more susceptible than animals. The estimated fatal dose for man is 100 millilitres (1/2 cup)

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} 17100 mg/kg, Dermal, Rabbit Classified as toxic

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

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Notes (inhalation LC_{50})	LC_{50} 128.2 mg/l, Inhalation, Rat Classified as toxic High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death
ATE inhalation (vapours mg/l)	3.0

Skin corrosion/irritation

Animal data	Not classified as irritating to skin

Serious eye damage/irritation

Serious eye damage/irritation	Not classified as irritating to eyes

Skin sensitisation

Skin sensitisation	Not classified as a skin senistiser

Germ cell mutagenicity

Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity	Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	LOAEL 2000 mg/kg, Oral, Rat
Target organs	Eyes

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEC 0.13 mg/l/6hr/day, Inhalation, Rat
Target organs	Heart and cardiovascular system Brain Liver

Aspiration hazard

Aspiration hazard	Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Toxic if inhaled. Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. When working extensively on big surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause headache and irritation of the eyes and the respiratory system.
Ingestion	Toxic: danger of very serious irreversible effects if swallowed. Gastrointestinal symptoms, including upset stomach. May cause nausea, headache, dizziness and intoxication. Diarrhoea.
Skin contact	Toxic: danger of serious damage to health by prolonged exposure in contact with skin. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause skin sensitisation or allergic reactions in sensitive individuals.
Eye contact	May be slightly irritating to eyes. May cause discomfort. Vapour or spray in the eyes may cause irritation and smarting.
Route of exposure	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Gastro-intestinal tract Skin

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Medical symptoms Drowsiness, dizziness, disorientation, vertigo. Intoxication. Symptoms following overexposure to dust may include the following: Irritability. Headache. Nausea, vomiting. Central nervous system depression. Irritation of eyes and mucous membranes.

Medical considerations In humans, over-exposure to methanol can result in blindness and metabolic acidosis. There is a marked difference in acute oral toxicity between animals and man, man being more susceptible than anaimals. The estimate mean fatal dose = 300 mg/kg for an adult.

SECTION 12: Ecological information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 15400 mg/l, Lepomis macrochirus (Bluegill)
Not classified as dangerous to the environment

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: > 1000 mg/l, Daphnia magna
Not classified as dangerous to the environment

Acute toxicity - aquatic plants EC_{50}, 96 hours: 22000 mg/l, Selenastrum capricornutum
Not classified as dangerous to the environment

12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable. Oxidises rapidly by photochemical reactions in air.

12.3. Bioaccumulative potential

Bioaccumulative potential Does not bioaccumulate significantly

Partition coefficient log Pow: - 0.8

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems. Large volumes may penetrate soil and could contaminate groundwater The product is poorly adsorbed onto soils or sediments

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Contaminated packages must be completely emptied before sending away for laundering and re-use When handling waste, the safety precautions applying to handling of the product should be considered.

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Disposal methods Collect and place in suitable waste disposal containers and seal securely. Empty containers or liners may retain some product residues and hence be potentially hazardous. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Confirm disposal procedures with environmental engineer and local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1230

UN No. (IMDG) 1230

UN No. (ICAO) 1230

14.2. UN proper shipping name

Proper shipping name (ADR/RID) METHANOL

Proper shipping name (IMDG) METHANOL

Proper shipping name (ICAO) METHANOL

Proper shipping name (ADN) METHANOL

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3 + 6.1

IMDG class 3

ICAO class/division 3

ICAO subsidiary risk 6.1

Transport labels

14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code 2WE

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Hazard Identification Number (ADR/RID) 336

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Cat Y Ship type:3

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
Dangerous Substances and Explosive Atmospheres Regulations 2002.
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

Guidance

Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
Safety Data Sheets for Substances and Preparations.

Authorisations (Annex XIV Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Annex XVII Regulation 1907/2006) No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS
All the ingredients are listed or exempt.

Canada - DSL/NDSL
All the ingredients are listed or exempt.

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
All the ingredients are listed or exempt.

Australia - AICS
All the ingredients are listed or exempt.

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Japan - ENCS
All the ingredients are listed or exempt.

Korea - KECI
All the ingredients are listed or exempt.

China - IECSC
All the ingredients are listed or exempt.

Philippines – PICCS
All the ingredients are listed or exempt.

New Zealand - NZIOC
All the ingredients are listed or exempt.

SECTION 16: Other information

Key literature references and sources for data	Dangerous Properties of Industrial Materials Report, N.Sax et.al. ECHA
Issued by	Technical and Compliance Manager
Revision date	16/10/2020
Revision	3
Supersedes date	26/04/2019
SDS number	20383
SDS status	Approved.
Risk phrases in full	R11 Highly flammable. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H370 Causes damage to organs .