

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients:

EINECS	CAS No	PBT/WEL	(EC) No 1272/2008 classification	Percent
PROPANE-1,2-DIOL				
	200-338-0	Substance with a Community workplace exposure limit.	-	30-50%

Additional information

For full text of each hazard statement see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Following inhalation	Consult a doctor.
Following skin contact	Wash immediately with plenty of soap and water.
Following eye contact	Bathe the eye with running water for 15 minutes.
Following ingestion	Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation	No symptoms.
Following skin contact	There may be mild irritation at the site of contact.
Following eye contact	There may be irritation and redness.
Following ingestion	There may be irritation of the throat.
Delayed/immediate effects	Immediate effects can be expected after short-term exposure.

4.3 Identification of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
5.2 Special hazards arising from the substance or mixture	In combustion emits toxic fumes.
5.3 Advice for firefighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

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|-----|---|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Refer to section 8 of the SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. |
| 6.2 | Environmental precautions | Do not discharge into drains or rivers. Contain the spillage using bunding. |
| 6.3 | Methods and material for containment and cleaning up | Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. |
| 6.4 | Reference to other sections | Refer to section 8 of SDS. |

SECTION 7: Handling and storage

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|-----|--|---|
| 7.1 | Precautions for safe handling | Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Avoid direct contact with the substance. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Store in a cool, well ventilated area. Keep container tightly closed. |
| | Suitable packaging | Steel drums. Aluminium containers. Plastic. |
| 7.3 | Specific end use(s) | No data available. |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hazardous ingredients

PROPANE-1,2-DIOL

Workplace exposure limits			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	474 mg/m ³	-	-	-

DNEL/PNEC

No data available

8.2 Exposure controls

Appropriate engineering controls

Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Individual protection measures such as personal protective equipment

Respiratory protection

Respiratory protection not required.

Hand protection

Protective gloves.

Eye protection

Safety glasses. Ensure eye bath is to hand.

Skin protection

Protective clothing.

Environmental

No special requirement.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State	Liquid.
Colour	Colourless.
Odour	Odourless.

pH	7
Relative density	1.03
Solubility in water	Soluble.
Viscosity	Non-viscous.
Flash point °C	99

9.2 Other information No data available.

SECTION 10: Stability and reactivity

10.1	Reactivity	Stable under recommended transport or storage conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4	Conditions to avoid	Heat.
10.5	Incompatible materials	Strong oxidising agents. Strong acids.
10.6	Hazardous decomposition products	In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

PROPANE-1,2-DIOL

DERMAL	RBT	LD50	>10,000	mg/kg
ORAL	RAT	LD50	20,000	mg/kg

Toxicity values

No data available.

Symptoms/routes of exposure

Ingestion (swallowing)

There may be irritation of the throat.

Inhalation

No symptoms.

Skin contact

There may be mild irritation at the site of contact.

Eye contact

There may be irritation and redness.

Delayed/immediate effects

Immediate effects can be expected after short-term exposure.

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity values

Species	Test	Value	Units
Ceriodaphnia dubia	48H EC50	18430	mg/l
GREEN ALGA (Selenastrum capricornutum)	48H EC50	19000	mg/l
MYSID SHRIMP (Mysidopsis bahia)	96H LC50	18800	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	40613	mg/l

SECTION 16: Other information

Indication of changes

* Indicates text in the SDS which has changed since the last revision.

Abbreviations and acronyms

ACLG	Approved Classification and Labelling Guide
CAS No	Chemical Abstracts Service Number
CLP	Classification, Labelling and Packaging Regulations (EC) 1272/2008
DNEC	Derived No Effect Level
EC No	EINECS number
EC50	Concentration that causes 50% of maximum effect in stated time period
ErC50	ErC50 means EC50 in terms of its reduction in growth rate
EINECS	European Inventory of Existing Commercial Substances
LD50 (LC50)	Lethal dose (or concentration) at which 50% of the population will be killed in stated time period
LTEL	Long Term Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic Substances
PNEC	Predicted No Effect Level
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
SVHC	Substances of Very High Concern
TWA	Time Weighted Average
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limits

Literature references and sources of data

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Full text of hazard statements listed in Section 3.

Not applicable.

This information is based on the present state of our knowledge.

Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.