

Precautionary statements: P264: Wash hands thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+353: IF ON SKIN: Wash with plenty of water
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 P321: Specific treatment (see instructions on label)
 P332+313: If skin irritation occurs: Get medical attention.

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

PROPAN-2-OL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%

DI-N-DECYL DIMETHYLAMMONIUM CHLORIDE

-	1C312	-	Acute Tox. 4: H302; Aquatic Acute 1: H400; Flam. Liq. 3: H226; Skin Corr. 1B: H314	1-10%
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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact Wash immediately with plenty of soap and water.
Eye contact Bathe the eye with running water for 15 minutes
Ingestion Wash out mouth with water
Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact There may be mild irritation at the site of contact
Eye contact There may be irritation and redness
Ingestion There may be soreness and redness of the mouth and throat.
Inhalation No symptoms

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing Media: Water spray. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Water fog.

5.2 Special hazards arising from the substance or mixture**5.3 Advice for fire fighters**

Advice for fire-fighters Wear self- contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions

Environmental precautions Do not discharge into drains or rivers

6.3 Methods and material for containment and cleaning up

Clean up procedures Absorb into dry earth or sand

6.4 Reference to other sections**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Handling requirements Ensure there is sufficient ventilation of the area

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Store in a cool, well ventilated area
Suitable packaging Must only be kept in original packaging

7.3 Specific end use(s)**SECTION 8: CONTROL PARAMETERS**

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

DNEL/PNEC Values

DNEL/PNEC No data available

8.2 Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area
Respiratory protection Respiratory protective device with particle filter
Hand protection Protective gloves
Eye protection Safety goggles
Skin Protection Protective clothing. Boots

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**9.1 Information on basic physical and chemical properties**

State	Liquid
Colour	Colourless
Odour	Odourless
Solubility in water	Miscible in all proportions
Viscosity	Non-viscous

9.2 Other information

Other information	No data available
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SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Reactivity	Stable under recommended transport for storage conditions
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10.2 Chemical stability

Chemical stability	Stable under normal conditions
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10.3 Possibility of hazardous reactions

Hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions.
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10.4 Conditions to avoid**10.5 Incompatible materials****10.6 Hazardous decomposition products**

Hazardous decomp products	No data available
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SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Hazardous ingredients:****PROPAN-2-OL**

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

DI-N-DECYL DIMETHYLAMMONIUM CHLORIDE

DERMAL	RAT	LD50	>2000	mg/kg
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ORAL	RAT	LD50	658	mg/kg
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Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms/routes of exposure

Skin contact	There may be mild irritation at the site of contact
Eye contact	There may be irritation and redness
Ingestion	There may be soreness and redness of the mouth and throat
Inhalation	No symptoms

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Hazardous ingredients****DI-N-DECYL DIMETHYLAMMONIUM CHLORIDE**

Daphnia magna	48H EC50	0.06	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H ErC50	0.12	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	0.97	mg/l

12.2 Persistence and degradability

Persistence and degradability Biodegradable

12.3 Bio-accumulative potential

Bio-accumulative potential No bioaccumulation potential.

12.4 Mobility in soil

Mobility Soluble in water

12.5 Results of PBT and vPvB assessment

PBT identification This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

Transport class This product does not require a classification for transport

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical Safety Assessment**

SECTION 16: OTHER INFORMATION**Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.

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.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own use.