

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

Product Name: ALGOCLEAR

1.3. Details of the supplier of the safety data sheet

Company name: TVSP Ltd
PO Box 1945, Maidenhead SL6 2XR, United Kingdom
Tel: +44 (0)1628 687 022
Email: Info@algoclear.com

1.4. Emergency telephone number

Emergency tel: +44 (0)01628 687 022 - Day only.

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

Use of substance / mixture: Biocide for surface treatment

Section 2: Hazards identification

2.1. Classification of the substance or mixture Classification under CLP:

Aquatic Acute 1: H400; Skin Corr. 1B: H314

Most important adverse effects: Irritating to eyes and skin. Very toxic to aquatic organisms

2.2. Label elements

Hazard statements: H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H400: Very toxic to aquatic life.

Signalword: Danger

Hazard pictograms:



Precautionary statements:

P264: Wash skin thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see instructions on this label). P391: Collect spillage.

Section 3: Composition/information on ingredients

3.2. Hazardous ingredients

Ingredient	EINECS	CAS	CHIP Class	CLP Class	Percent
DIDECYL DIMETHYL AMMONIUM CHLORIDE	230-525-2	7173-51-5	230-525	-2 Acute Tox. 4: H302; Skin Corr. 1B: H314	10%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor. effects, both acute and delayed

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

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion: There may be soreness and redness of the mouth and throat.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Skin contact: There may be irritation and redness at the site of contact.

Section 5: Fire-fighting measures

5.1. Extinguishing media

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

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighter

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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.

Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: 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

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and Storage

7.1. Precautions for safe handling

Handling requirements: 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

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Polyethylene. Unsuitable packaging: metals and alloys.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control Parameters

8.2. DNEL/PNEC Values : DNEL / PNEC: No data available

8.3. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: If ventilation is not considered adequate, PPE should be used:

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid Solubility in water: Miscible in all proportions

Colour: clear, pale yellow Relative density: 0.956 pH: 6-8

Odour: Characteristic odour Viscosity:

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical Stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage condition

10.4. Conditions to avoid Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Soft metals (aluminium, zinc etc.) Strong acids. 10.6. Hazardous decomposition products

Hazardous decomposition products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

DIDECYLDIMETHYLAMMONIUM CHLORIDE			
ORL	MUS	LD50	268 mg/kg
IPR	RAT	LD50	45 mg/kg

Effects of mixture : Calculated

11.2. 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. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility in solid: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

Disposal of packaging: Return empty containers to the supplier for recycling. Damaged containers should be destroyed by cutting up or by incineration. Do not use for potable water.

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

Section 14: Transport information

14.1. UN Number : UN number: 1760

14.2. UN Proper shipping name :

CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUMCHLORIDE)

14.3. Transport hazard class(es) Transport class: 8

14.4. Packing Group : Packing group: III

14.6. Special precautions for user

Tunnel Code: E

Transport category: 3

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Chemical safety assessment: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Phrases used in s.2 and 3:

H225: Highly flammable liquid and vapour.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
R11: Highly flammable.
R22: Harmful if swallowed.
R34: Causes burns.
R36/38: Irritating to eyes and skin.
R36: Irritating to eyes.
R50: Very toxic to aquatic organisms.
R67: Vapours may cause drowsiness and dizziness.

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.