

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

**Product Name:** ALGOCLEAR PRO

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

**Use of substance / mixture:** Biocide for surface treatment

### 1.3. Details of the supplier of the safety data sheet

**Company name:** TVSP Ltd  
PO Box 1945  
Maidenhead  
SL62DD  
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.

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CHIP: :R34; Xn:R22; N:R50;  
Classification under CLP: Acute Tox. 4: H302; Aquatic Acute 1: H400; Skin Corr. 1B: H314  
Most important adverse effects: Harmful if swallowed. Causes burns. Very toxic to aquatic organisms.

### 2.2. Label elements

#### Label Elements under CLP:

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

#### Hazard pictograms:



**Precautionary statements:** P264: Wash skin thoroughly after handling.  
P280: Wear <protective gloves/protective clothing/eye protection/face protection.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
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).  
P330: Rinse mouth.

#### Label Elements under CHIP:

#### Hazard Symbols:

**Risk phrases:** R22: Harmful if swallowed; R34: Causes burns;  
R50: Very toxic to aquatic organisms;



**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S36/37/39: Wear suitable protective clothing, gloves and eye / face protection; S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where available); S61: Avoid release to the environment. Refer to special instructions / safety data sheets;

**Precautionary phrases:** P27: Use biocides safely. Always read the label and product information before use;

### 2.3. Other hazards

PBT: This substance is not identified as a PBT substance

3.2. Hazardous ingredients					
Ingredients	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	30-50%

## Section 3: Composition/information on ingredients

### 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. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

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

Consult a doctor.

#### 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. 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 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 control**

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.  
kin 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: II

#### **14.6. Special precautions for user**

Tunnel Code: E      Transport category: 2

### **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:

**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.