

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

### 1.1. Product identifier

**Product name:** METACLEAR  
**Product code:** MT

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

### 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 CLP:** Skin Corr. 1A: H314; Aquatic Acute 1: H400; -: EUH031  
**Most important adverse effects:** Contact with acids liberates toxic gas. Causes severe skin burns and eye damage. Very toxic to aquatic life.

### 2.2. Label elements

**Hazard statements:** EUH031: Contact with acids liberates toxic gas.  
H314: Causes severe skin burns and eye damage.  
H400: Very toxic to aquatic life.

**Hazard pictograms:** GHS05: Corrosion  
GHS09: Environmental



**Signal words:** Danger

**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/eye protection.  
P273: Avoid release to the environment.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 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:**

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE				
EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-668-3	7681-52-9		Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031	1-5%
MYRISTAMINE OXIDE				
222-059-3	3332-27-2			1-5%
SODIUM HYDROXIDE				
215-185-5	1310-73-2		Skin Corr. 1A: H314	<1%

**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.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

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

**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 irritation and redness at the site of contact.

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

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

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

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**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-fighters**

**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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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 direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**Workplace exposure limits: Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK		2 mg/m <sup>3</sup>		

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

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**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

**Colour:** Colourless

**Odour:** Chlorine

**Solubility in water:** Miscible in all proportions

**Relative density:** 1.07 **pH:** 11.6 @ 1% Soln.

### 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 conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE				
ORL	MUS	LD50	5800	mg / kg
SODIUM HYDROXIDE				
IPR	MUS	LD50	40	mg / kg
ORL	RBT	LD50	500	mg / kg
Relevant hazards for product:				
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 irritation and redness at the site of contact.

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

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

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

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

#### Section 12: Ecological information

##### 12.1. Toxicity

**Ecotoxicity values:** No data available.

##### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

##### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

##### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

##### 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

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

#### 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

**Specific regulations:** European Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (known as 'CLP'). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 aligned with ADR. Workplace Exposure Limits EH40.2005 (2nd edition published 2011). REACH: Regulation 1907/2006/EC effective June 1st, 2007. The raw materials used in this preparation have been pre-registered in accord with the requirements of REACH. Dangerous Preparations Directive (1999/45/EC).

##### 15.2. Chemical Safety Assessment

#### Section 16: Other information

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

**Phrases used in s.2 and s.3:** EUH031: Contact with acids liberates toxic gas.  
H314: Causes severe skin burns and eye damage.  
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.