



SAFETY DATA SHEET

ALGAESIDE

Page 1

Issued: 11/03/09

Revision No: 6

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: ALGAESIDE

Use of substance / preparation: Algae and moss killer.

Company name: Unicorn Chemicals Ltd

Unicorn House

Mowbray Drive

Blackpool

Lancashire

FY3 7UN

Tel: 01253 396101

Fax: 01253 302895

Emergency tel: 01253 396101 (Office hours: 09:00 - 17:00)

Email: enquiries@unicornchemicals.com

2. HAZARDS IDENTIFICATION

Main hazards: Contact with acids liberates toxic gas. Causes burns.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM HYPOCHLORITE SOLUTION CL ACTIVE 10-30%

EINECS: 231-668-3 CAS: 7681-52-9

[-] R31; [C] R34; [N] R50

4. FIRST AID MEASURES (SYMPTOMS)

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

Eye contact: There may be irritation and redness. There may be severe pain. Corneal burns may occur.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: There may be coughing and a sore throat. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

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

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SAFETY DATA SHEET

ALGAESIDE

check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide.

Exposure hazards: Corrosive. In combustion emits toxic fumes.

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

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

Clean-up procedures: Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

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

Hand protection: Where hand contact with the product may occur the use of chemical resistant gloves, approved to relevant standards, made from the following materials may provide suitable chemical protection: PVC. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers.

Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless to pale yellow.

Odour: Chlorine

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

SAFETY DATA SHEET

ALGAESIDE

Viscosity: Non-viscous
Boiling point/range°C: 40
Flash point°C: None
Vapour pressure: 17.5mm@20°C
Relative density: 1.097
pH: 11

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Gradually loses chlorine during storage.
Materials to avoid: Acids. Amines.
Haz. decomp. products: In combustion emits toxic fumes. Contact with acids liberates toxic gas.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE
ORL MUS LD50 5800 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil. Soluble in water.
Other adverse effects: Harmful to fauna.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Contact Unicorn Chemicals Ltd to arrange disposal.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1791	ADR Class: 8
Packing group: III	Classification code: C9
Shipping name: HYPOCHLORITE SOLUTION	
Labelling: 8	Hazard ID no: 80

**IMDG / IMO**

UN no: 1791	Class: 8
Packing group: III	EmS: F-A,S-B
Marine pollutant: NO	
Labelling: 8	

SAFETY DATA SHEET

ALGAESIDE

IATA / ICAO**UN no:** 1791**Class:** 8**Packing group:** III**Packing instructions:** 809(P&CA); 821(CAO)**Labelling:** 8**15. REGULATORY INFORMATION****Hazard symbols:** Corrosive.**Risk phrases:** R31: Contact with acids liberates toxic gas.

R34: Causes burns.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

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 possible).

Precautionary phrases: Warning! Do not use with other products. May release dangerous gases (chlorine).**Haz. ingredients (label):** SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**16. OTHER INFORMATION****Other information:** Always use in accordance with manufacturer's directions.

This product belongs to Hazard Groups C and S under the HSE COSHH Essentials guidelines (Publication HSG193).

Risk phrases used in s.3: R31: Contact with acids liberates toxic gas.

R34: Causes burns.

R50: Very toxic to aquatic organisms.

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.