

SAFETY DATA SHEET

SUPERX EVAPORATOR CLEANER & DISINFECTANT

Page 1

Issued: 23/07/2003

Revision No: 1

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

Product name: SUPERX EVAPORATOR CLEANER & DISINFECTANT

Use / description of product: Corrosive, alkaline solutions.

Company name: Advanced Engineering Limited

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: DISODIUM METASILICATE 10-30%

EINECS: 229-912-9 CAS: 6834-92-0

[C] R34; [Xi] R37

- NP9 1-10%

[Xn] R22; [Xi] R41; [-] R53

- BIOCIDES 1-10%

[Xn] R21/22; [C] R34; [N] R50

3. HAZARDS IDENTIFICATION

Main hazards: Causes burns. Irritating to respiratory system.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact.

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

Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: No symptoms.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water. Consult a doctor.

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

Ingestion: Do not induce vomiting. Wash out mouth with water. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water.

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

[cont...]

SAFETY DATA SHEET

SUPERX EVAPORATOR CLEANER & DISINFECTANT

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Evacuate the area immediately. Refer to section 8 of SDS for personal protection details.

Environmental precautions: Contain the spillage using bunding.

Clean-up procedures: Wash down the drain with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance.

Storage conditions: Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protection not required.

Hand protection: Gloves (alkali-resistant).

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

Skin protection: Alkali resistant protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Highly soluble

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Acids.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: DISODIUM METASILICATE

ORL MUS LD50 770 mg/kg

ORL RAT LD50 1153 mg/kg

Chronic toxicity: May cause sensitisation by skin contact.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: Negligible ecotoxicity.

SAFETY DATA SHEET

SUPERX EVAPORATOR CLEANER & DISINFECTANT

13. DISPOSAL CONSIDERATIONS**Disposal operations:** D10 Incineration on land.**Disposal of packaging:** Clean with water. Dispose of as normal industrial waste.**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:	1903	ADR Class:	8
Packing group:	II	Classification code:	C9
Shipping name:	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (DISODIUM METASILICATE; NP9)		
Labelling:	8	Hazard ID no:	80

**IMDG / IMO**

UN no:	1903	Class:	8
Packing group:	II	EmS:	F-A,S-B
Marine pollutant:	.	Labelling:	8

IATA / ICAO

UN no:	1903	Class:	8
Packing group:	II	Packing instructions:	808(P&CA); 812(CAO)
Labelling:	8		

15. REGULATORY INFORMATION**Hazard symbols:** Corrosive.

Risk phrases: R34: Causes burns.
R37: Irritating to respiratory system.

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 possible).

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

SAFETY DATA SHEET
SUPERX EVAPORATOR CLEANER & DISINFECTANT

the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R34: Causes burns.

R37: Irritating to respiratory system.

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R53: May cause long-term adverse effects in the aquatic environment.

R21/22: Harmful in contact with skin and if swallowed.

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.