

Material Safety Data Sheet



1 . Identification of the material and supplier

Names

Product name : MaxiFlox® Flocculant Preparation 860E

Supplier : Science Developments Pty Ltd
Unit 1, 8 Turbo Road
Kings Park NSW 2148 Australia
Telephone: +61 408 509 649
Email: projects@scidev.com.au

Emergency telephone : 13 11 26 (Poison Information Hotline)

Uses

Material uses : Industrial Wastewater Treatment

Date of issue : 22 April 2013

2 . Hazards identification

Statement of hazardous/dangerous nature : Not classified as hazardous according to NOHSC criteria, and not dangerous goods according to the ADG Code.

Risk phrases : R36/38 Irritating to eyes and skin

Safety phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28.1 After contact with skin, wash immediately with plenty of water and soap.
S23.3 Do not breath vapour/spray.

Hazards : High concentrations of vapour may cause irritation to eyes and respiratory system and produce narcotic effects. May cause headache and dizziness. Repeated or prolonged exposure may cause dermatitis due to degreasing properties of the product.
Very slippery when wet.

3 . Composition/information on ingredients

Chemical Nature : Cationic polyacrylamide in water-in-oil emulsion

4 . First-aid measures

Eye contact : Rinse with plenty of water for 15 minutes. Get medical attention if irritation persists.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Get medical attention if skin irritation or dermatitis commences or persists.

Inhalation : Remove to fresh air. Obtain medical attention if symptoms occur.

Ingestion : Do not induce vomiting. If unconscious do not give anything by mouth. If conscious, rinse mouth; then drink one or two large glasses of water. Contact a doctor or the Poisons Information Centre (In Australia Phone: 13 11 26).

Notes to physician : No specific treatment. Treat symptomatically.

5 . Fire-fighting measures

- Extinguishing media** : Carbon dioxide, dry powder, alcohol-resistant foam, water spray
- Fire/explosion hazards** : No specific hazard
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective suit, suitable gloves, boots and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Hazardous Decomposition Products** : Decomposition products may include the following materials: carbon oxides (CO and CO₂), nitrogen oxides.

6 . Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment. Spills are very slippery.
- Environmental precautions** : Avoid dispersal of spilt material and prevent contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, silica gel, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal. See section 8 for personal protective equipment.

7 . Handling and storage

- Handling** : Do not ingest. Avoid contact with eyes and skin. Do not breath vapours, spray or mist. High risk of slipping due to leakage or spillage of product. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Ensure adequate ventilation. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Keep container tightly closed in a dry, cool and well-ventilated area. Protect from heat and sources of ignition. Avoid extremes of temperature.

8 . Exposure controls/personal protection

- Occupational exposure limits** : No exposure standard allocated.
- Engineering measures** : None required. However, use of adequate ventilation is good industrial practice.
- Hygiene measures** : Ensure that eyewash stations are close to the workstation location.
- Personal protection**
- Eyes Hands** : Tightly fitting safety goggles (chemical goggles).
- Respiratory** : PVC oil/chemical resistant gloves.
- Skin** : Wear respiratory protection if ventilation is inadequate.
: Chemical resistant apron and lightweight protective clothing.

9 . Physical and chemical properties

| | |
|---------------------|-------------------------|
| Physical State | : Water-in-oil emulsion |
| Colour | : White to cream |
| Odour | : Mineral Oil |
| Melting Point | : n/a |
| Vapour Pressure | : Not available |
| Specific Gravity | : 1.0 - 1.03 @ 20° C |
| Flash Point | : 93° C |
| Vapour Density | : Not available |
| pH | : Not determined |
| Solubility in water | : Dispersible |

10 . Stability and reactivity

| | |
|----------------------------------|--|
| Stability | : The product is stable under normal ambient conditions of temperature and pressure. |
| Conditions to Avoid | : Avoid temperature extremes, especially freezing conditions. Avoid all sources of ignition. |
| Materials to avoid | : Reactive chemicals |
| Hazardous Decomposition Products | : No decomposition expected under normal storage conditions. |
| Hazardous Reactions | : No hazardous reactions expected. |

11 . Toxicological information

Potential acute health effects

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|--------------|--------------|
| Inhalation | : Not tested |
| Ingestion | : Not tested |
| Skin Contact | : Irritant |
| Eye contact | : Irritant |

Potential chronic health effects

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|-----------------------|---|
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |

12 . Ecological information

| | |
|---------------------------|---|
| Ecotoxicity data | : Not available. |
| Persistence/degradability | : Not available. |
| Mobility | : Not available. |
| Other adverse effects | : No known significant effects or critical hazards. |

13 . Disposal considerations

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|---------------------|---|
| Methods of disposal | : Do not reuse product containers. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. |
|---------------------|---|

14 . Transport information

Not classified as a dangerous good under transport regulations.

15 . Regulatory information

Australia inventory (AICS) : All substances are listed on AICS or exempt.

AU Classification : Not classified as hazardous according to the criteria of NOHSC.

Standard for the Uniform Scheduling of Drugs and Poisons

Not scheduled

Control of Scheduled Carcinogenic Substances

| <u>Ingredient name</u> | <u>Schedule</u> |
|------------------------|-----------------|
| No listed substance | |

16 . Other information

Prepared by : Regulatory Affairs

Date of previous issue : -

Change Made : New format.

References :

- ADG Code - Australian Transport of Dangerous Goods
- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
- Approved Criteria for Classifying Hazardous Substances
- List of Designated Hazardous Substances
- National Code of Practice for the Labelling of Workplace Substances
- National Code of Practice for the Preparation of Material Safety Data Sheets
- National Model Regulations for the Control of Scheduled Carcinogenic Substances
- National Model Regulations for the Control of Workplace Hazardous Substances
- Standard for the Uniform Scheduling of Drugs and Poisons

Disclaimer

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

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