

Safety Data Sheet

Version 1.1

MaxiFlox® 880 FS

Date Revised: 17:08:2020

1. Identification

MaxiFlox® 860 FS

Manufacturer / Supplier:

Science Developments Pty Ltd (ABN 96 001 815 363)
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Emergency Information (24 h)

Within Australia: 1800 033 111 (Toll Free)

Outside Australia: +61 3 9663 2130

2. Hazard(s) Identification

GHS Classification

Skin corrosion/irritation - Category 2

Short-term (acute) aquatic hazard - Category 2

Hazard statements:

H315 Causes skin irritation.

H401 Toxic to aquatic life.

Precautionary statements:

Prevention:

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification:

None known.

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3. Composition and Information on Ingredients

Chemical nature:

Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer

4. First Aid Measures

General advice:

Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled:

If breathed in, move person into fresh air.

If unconscious, place in recovery position and seek medical advice.

If symptoms persist, call a physician.

In case of skin contact:

Remove contaminated clothing. If irritation develops, get medical attention.

If on skin, rinse well with water.

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Wash contaminated clothing before re-use.

In case of eye contact:

Flush eyes with water as a precaution.

Remove contact lenses.

Protect unharmed eye.

If eye irritation persists, consult a specialist.

If swallowed:

If swallowed, call a Poison Centre / Doctor if you feel unwell.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician

Most important symptoms and effects, both acute and delayed:

No symptoms known or expected.

Causes skin irritation.

Notes to physician:

No hazards which require special first aid measures.

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5. Fire Fighting Measures

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water spray

Foam

Carbon dioxide (CO₂)

Dry chemical

Unsuitable extinguishing media:

High volume water jet

Specific hazards during firefighting:

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products:

Carbon monoxide

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Specific extinguishing methods:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Product is compatible with standard fire-fighting agents.

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Comply with all applicable federal, state, and local regulations.

Environmental precautions:

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

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7. Handling and Storage

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Advice on safe handling:

Do not breathe vapours/dust.

Do not smoke.

Container hazardous when empty.

Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8.

Dispose of rinse water in accordance with local and national regulations.

Hygiene measures:

Wash hands before breaks and at the end of workday.

When using do not eat or drink.

When using do not smoke.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Electrical installations / working materials must comply with the technological safety standards

Recommended storage temperature:

0 - 35 °C

Further information on storage stability:

No decomposition if stored and applied as directed.

8. Exposure Controls and Personal Protection

Components with occupational exposure limits

Distillates (petroleum), hydro- treated light; Kerosine — unspecified

Engineering measures:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment:

Filter type:

Organic vapour type

Hand protection

Material:

Nitrile rubber,

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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8. Exposure Controls and Personal Protection

Eye protection:

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection:

Wear as appropriate:

Impervious clothing

Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Discard gloves that show tears, pinholes, or signs of wear.

9. Physical and Chemical Properties

Form:	Emulsion
Colour:	White
Odour:	Hydrocarbon-like
Odour threshold:	No data available.
pH value:	Approx. 4
Melting point:	No data available.
Boiling point:	No data available.
Flash point:	> 100 °C (ASTM D92). The product has not been tested.
Evaporation rate:	No data available
Flammability (solid, gas):	Not classified as a flammability hazard
Self-ignition:	Not self-igniting
Lower explosion limit:	No data available.
Upper explosion limit:	No data available.
Vapour Pressure:	This product has not been tested
Relative vapour density:	No data available
Relative density:	No data available
Density:	ca. 1,0 g/cm ³ (20 °C)
Solubility(ies)Water solubility:	dispersible
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Decomposition temperature:	No data available
Viscosity	
Viscosity, dynamic:	No data available
Viscosity, kinematic:	> 20,5 mm ² /s (40 °C)
	The product has not been tested.
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.

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10. Stability and Reactivity

Reactivity:

No decomposition if stored and applied as directed.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

Product will not undergo hazardous polymerization.

Conditions to avoid:

Heat, flames and sparks.

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x) Aldehydes

11. Toxicological Information

Acute toxicity

Not classified based on available information.

LD₅₀ rat (oral): > 2.000 mg/kg

Distillates (petroleum), hydro- treated light; Kerosine — unspecified:

Acute oral toxicity:

LD 50 (Rat): > 5.000 mg/kg

Acute dermal toxicity:

LD₅₀ (Rabbit): > 3.160 mg/kg

Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Skin corrosion/irritation:

Causes skin irritation.

Product:

Species - Rabbit

Method - OECD Test Guideline 404

Result - irritating

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11. Toxicological Information (cont...)

Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer:

Not irritating to skin

Distillates (petroleum), hydro- treated light; Kerosine — unspecified:

Result - Slightly irritating to skin

Serious eye damage/eye irritation:

Not classified based on available information.

Product:

Species - Rabbit

Result - Slightly to moderately irritating to eyes

Remarks - Unlikely to cause eye irritation or injury.

Germ cell mutagenicity:

Not classified based on available information.

Carcinogenicity:

Not classified based on available information.

Reproductive toxicity:

Not classified based on available information.

STOT - single exposure:

Not classified based on available information.

STOT - repeated exposure:

Not classified based on available information.

Aspiration toxicity:

Not classified based on available information.

Distillates (petroleum), hydro- treated light; Kerosine — unspecified:

May be fatal if swallowed and enters airways.

12. Ecological Information

Ecotoxicity:

Assessment of aquatic toxicity:

Toxicity to fish:

LC50 (Oncorhynchus mykiss): > 10 - 100 mg/l.

Exposure time: 96 h

Test Type: static test

Remarks: Information refers to the main component

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12. Ecological Information (cont...)

Aquatic invertebrates:

EC50 (Daphnia (water flea)): > 10 - 100 mg/l

Exposure time: 48 h

Test Type: static test

Remarks: Information refers to the main component.

Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer:

Toxicity to Fish:

LC 50 (Pimephales promelas (fathead minnow)): 2,8 mg/l

Exposure time: 96 h

NOEC (Pimephales promelas (fathead minnow)): 1,3 mg/l

Exposure time: 96 h

Aquatic invertebrates:

LC 50 (Water flea (Daphnia magna)): 41 mg/l

Exposure time: 48 h

NOEC (Water flea (Daphnia magna)): 3,1 mg/l

Exposure time: 48 h

Persistence and degradability:

Biodegradability:

Result: Readily biodegradable.

Remarks: At natural pHs (>6), the polymer degrades due to the hydrolysis to more than 70% in 28 days.

13. Disposal Considerations

The product should not be allowed to enter drains, water courses or the soil.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to a licensed waste management company.

Contaminated packaging:

Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

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14. Transport Information

Not classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code (ADG Code) by transport by Road and Rail. NON-DANGEROUS GOODS.

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

Registration status:

AICS, AU released / listed

16. Other Information

This SDS summarises to our best knowledge at the date of this issue the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Science Developments Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Science Developments Pty Ltd as per the contact details on page 1.

All the constituents of this material are listed on the Australian Inventory of Chemicals Substances (AICS).