

# Safety Data Sheet

## 1. Identification of the Material and Supplier

**Product Name:** MaxiFlox® 830  
**Supplier:** Science Developments Pty Ltd  
**ABN:** 96 001 815 363  
**Address:** unit 1, 8 Turbo Road  
Kings Park NSW 2148 AUSTRALIA  
**Contact Details:** +61 (2) 9622 5185  
[projects@scidev.com.au](mailto:projects@scidev.com.au)  
**Emergency Telephone:** 13 11 26 (Poison Information Hotline)  
**Issue Date:** 17 June 2019

## 2. Information of Ingredients

**Product Name:** Anionic Polyacrylamide

Ingredient	Content	CAS No.	EC no.
Polyacrylamide	≥90%	9003-05-8	/
Water	≤10%	7732-18-5	231-791-2

## 3. Hazards Identification

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

Based on available information, not classified as hazardous to Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

**Poisons Schedule (SUSMP):** Very slippery when wet

**Appearance and Odour:** Colour: White  
Appearance: Granular  
Powder Odour: Odourless

**Statement of Hazard:** WARNING: May cause skin and eye irritation. Spill of this product are very slippery when wet.

**Potential Health Effects:** Effects of Exposure  
Acute oral (rat) and dermal (rabbit) LD50 values are estimated to be greater than 2,000 mg/Kg and greater than 2,000 mg/Kg, respectively. The 4-hour inhalation LC50 (rat) value is estimated to be greater than 20 mg/L. Direct contact with this material can cause moderate skin and mild eye irritation.

#### 4. First Aid Measures

<b>Contact with skin:</b>	In case of contact, wash affected skin with soap and plenty of water. Get medical attention if skin irritation or dermatitis commences or persists.
<b>Contact with Eyes:</b>	Rinse with plenty of water for 15 minutes. Get medical attention if irritation persists.
<b>Swallowing:</b>	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).
<b>Inhalation:</b>	Remove to fresh air. Obtain medical attention if symptoms occur.
<b>Notes to Physician:</b>	No specific treatment. Treat symptomatically

#### 5. Fire Fighting Measures

<b>Recommended extinguishers:</b>	Carbon dioxide, dry powder, foam
<b>Fire / explosion hazard:</b>	No specific hazard
<b>Exposure hazards:</b>	Very slippery when wet
<b>Special protective equipment for fire fighters:</b>	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.
<b>Hazardous Decomposition Products:</b>	Decomposition products may include the following materials: carbon oxides (CO and CO <sub>2</sub> ), nitrogen oxides

## 6. Accidental release measures

<b>Measures for personal safety:</b>	Avoid dust formation. Suitable dust-mask and personal protective clothing. Spills are very slippery.
<b>Environmental measures:</b>	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).
<b>Cleaning methods:</b>	Spilled product which becomes wet or spilled aqueous solution create a hazard because of their slippery nature. Clean up with inert absorbent material (e.g. sand, earth etc). Sweep up and shovel into suitable containers for disposal. Residues or small spillages should be hosed away completely with plenty of water. Contain washwater and dispose of in accordance with local regulations.

## 7. Handling & Storage

<b>Handling precautions:</b>	Do not ingest. Avoid contact with eyes and skin. Avoid dust formation and ignition sources. Ensure good ventilation. Wash hands and/or face before breaks and at end of work. Slip hazard when wet.
<b>Storage conditions:</b>	Avoid dust formation and ignition sources. Ensure good ventilation. Keep in a dry, cool place. Protect from water and moisture. Avoid extremes of temperature.

## 8. Exposure Controls/Personal Protection

<b>Occupational exposure limits:</b>	DUST. TWA value: 10mg/m <sup>3</sup> (Total dust)
<b>Engineering measures:</b>	Provide appropriate exhaust ventilation where dust can be generated. Ensure adequate . ventilation, especially in confined areas
<b>Hygiene measures:</b>	Ensure that eyewash stations are close to the workstation location.
<b>Respiratory protection:</b>	PVC oil/chemical resistant gloves.
<b>Protection for skin:</b>	Wear respiratory protection if ventilation is inadequate. Chemical resistant apron and lightweight protective clothing.

## 9. Physical and Chemical Properties

<b>Colour:</b>	White
<b>Appearance:</b>	Granular Powder
<b>Odour:</b>	None
<b>pH Value:</b>	Not determined
<b>Melting Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Flash point:</b>	Not available
<b>Bulk Density:</b>	Approx. 0.75 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	Forms a viscous solution

## 10. Stability and Reactivity

<b>Chemical Stability:</b>	The product is stable under normal ambient conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Avoid temperature extremes. Avoid humidity. Avoid all sources of ignition.
<b>Materials to avoid:</b>	Reactive chemicals
<b>Hazardous decomposition products:</b>	No decomposition expected under normal storage conditions
<b>Hazardous reactions:</b>	No hazardous reactions expected

## 11. Toxicological Information

<b>Ingestion:</b>	Not tested
<b>Eye Contact:</b>	Not tested
<b>Skin Contacts:</b>	Not tested
<b>Inhalation:</b>	Not tested
<b>Chronic Effect:</b>	No known significant effects or critical hazards.

## 12. Ecological Information

Not available

## 13. Disposal Considerations

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 (ADG).

## 15. Regulatory Information

Based on available information, not classified as hazardous according to Safe Work Australia; NON- HAZARDOUS SUBSTANCE.

Poison Schedule (SUSMP): Non-allocated.

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

## 16. Other Information

This safety data sheet has been prepared by Science Developments Pty Ltd. Reason for Issue: Updated 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.