Safety Data Sheet

1. Identification of the Material and Supplier

Product Name:	**MaxiFlox® 550RN**
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
Emergency Telephone:	13 11 26 (Poison Information Hotline)
Recommended Use:	Mineral Processing
Date:	30 July 2019

2. Information of Ingredients

Product Name: **Anionic Polyacrylamide**

3. Hazards Identification

Classification of the Chemical: Not classified as hazardous according to the GHS criteria. Non-Dangerous Goods according to the ADG Code.

Hazard Statement:
H317 May cause an allergic skin reaction.
AUH066 Repeated exposure may cause skin dryness or cracking
H319 Causes serious eye irritation

Precautionary Statement:

Prevention:
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves / protective clothing / eye protection.

Response:
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice / attention. Very slippery when wet.

Storage	Avoid dust formation and ignition sources. Ensure good ventilation.
Disposal	P501 Dispose of contents and container in accordance with local, regional national and international regulations.

4. First Aid Measures

Inhalation:	Minimal vapour present. Remove to fresh air if symptoms occur.
Skin Contact:	In case of contact, wash affected skin with soap and plenty of water. Immediately remove contaminated clothing. Get medical attention if skin irritation or dermatitis commences or persists.
Eye Contact:	Rinse with plenty of water for 15 minutes. Get medical attention if persists.
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).
Indication of immediate medical attention and special treatment needed:	No specific treatment. Treat symptomatically

5. Fire Fighting Measures

Recommended extinguishers:	Not combustible, however, if material is involved in a fire use: Normal foam, dry agent (carbon dioxide, dry chemical powder).
Specific Hazards arising From the chemical:	Non combustible material
Protective equipment:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

6. Accidental Release Measures

Measures for personal safety:	Use suitable protective equipment (PPE). Spills are slippery.
Environmental measures:	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.
Cleaning methods:	Stop leak if without risk. Move containers from spill area. 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, common salt (sodium chloride), 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.

7. Handling & Storage

Handling precautions:	Do not ingest. Avoid contact with eyes and skin. Keep in original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Slip hazard when wet.
Storage conditions:	Avoid dust formation and ignition sources. Keep container tightly closed in a dry, cool and well-ventilated area. Protect from heat and avoid extremes of temperature. Store away from foodstuffs. Protect from water and moisture.

8. Exposure Controls/Personal Protection

Control Parameters:	DUST. TWA value: 10mg/m^3
Engineering controls	Provide appropriate exhaust ventilation where dust can be generated. Ensure adequate ventilation, especially in confined areas.
Hygiene measures:	Ensure that eyewash stations are close to the workstation location.
Respiratory protection:	Wear respiratory protection if ventilation is inadequate.

Protection for hands:	Use protective gloves in P.V.C., or in plastic material/rubber.
Eye protection:	Use protective goggles.
Protection for skin:	Wear chemical resistant apron and lightweight protective clothing.

9. Physical and Chemical Properties

Physical state:	Powder
Colour:	White
Odour:	None
Melting point:	Not available
Vapour pressure:	Not available
Density:	Approx. 0.75 g/cm^3
Flash point:	Not available
Vapour density:	Not available pH of 1% solution: Approx. 6.5
Water solubility:	Forms a viscous solution

10. Stability and Reactivity

Chemical Stability:	Stable under normal temperature and pressure.
Conditions to avoid:	Avoid extremes of temperature and wet and humid conditions.
Substances to avoid:	No incompatible materials expected. Avoid reactive chemicals
Hazardous decomposition products:	No decomposition expected under normal conditions

11. Toxicological Information

No adverse health effect is expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that arise if the product is mishandled and over exposure occurs are:

Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye Contact:	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eye.
Skin Contacts:	Repeated or prolonged skin contact may lead to irritation.
Inhalation:	Breathing in dust may result in respiratory irritation.
Chronic Effect:	No information available for this product.
Acute Toxicity:	No LD50 data available for the material.

12. Ecological Information

Avoid contaminating waterways.

This material is not classified as dangerous for the environment. The effects on aquatic organisms are due to an external (non–systemic) mode of action, and are significantly reduced within 30 minutes due to binding of the product to dissolved organic carbon and inorganic sorbents such as clays and silts. 48 hrs. EC50 (Daphnia magna): > 200 mg/L

13. Disposal Considerations

Refer to Waste Management Authority. Dispose of content/containers in accordance with local/ regional/ national/ international regulation.

14. Transport Information

Road and Rail Transport:	Not classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code (ADG Code) by transport by Road and Rail. NON-DANGEROUS GOODS.
Marine Transport:	Not classified as Dangerous Goods by criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by Sea. NON-DANGEROUS GOODS.

Air Transport:	Not classified as Dangerous Goods by criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. NON-DANGEROUS GOODS.

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.