



Safety Data Sheet

1 . Identification of the material and supplier

Names

Product name : BioFloX® Flocculant Preparation 520P

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 : 2 Feb 2015

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.

Hazards : Very slippery when wet.

3 . Composition/information on ingredients

Chemical Nature : Anionic polyacrylamide

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, wash affected skin with soap and 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, foam
Fire/explosion hazards	: No specific hazard
Exposure hazards	: Very slippery when wet
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 CO ₂), nitrogen oxides.

6 . Accidental release measures

Personal Precautions	: Avoid dust formation. Suitable dust-mask and personal protective clothing. 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	: 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 and storage

Handling	: 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.
Storage	: 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

Occupational exposure limits	: DUST. TWA value: 10mg/m ³ (Total dust)
Engineering measures	: 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.
<u>Personal protection</u>	
Eyes	: Tightly fitting safety goggles (chemical goggles).
Hands	: PVC oil/chemical resistant gloves.
Respiratory	: Wear respiratory protection if ventilation is inadequate.
Skin	: 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	: Not determined
Solubility in water	: Forms a viscous solution

10 . Stability and reactivity

Stability	: The product is stable under normal ambient conditions of temperature and pressure.
Conditions to Avoid	: Avoid temperature extremes. Avoid humidity. 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

Inhalation	: Not tested
Ingestion	: Not tested
Skin Contact	: Not tested
Eye contact	: Not tested

Potential chronic health effects

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

Methods of disposal	: 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.
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14 . Transport information

Not classified as a dangerous good under transport regulations (ADG).

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

Ingredient name

Schedule

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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