Safety Data Sheet

1. Identification

Product identifier:	MaxiFlox® OSDP530M
Recommended use:	Flocculant agent
Supplier:	Science Developments Ltd (ABN 25 001 150 849) Unit 1, 8 Turbo Road Kings Park NSW 2148 AUSTRALIA Phone +61 (2) 9622 5185 Toll Free USA/Canada 1 (888) 575-6444 Email projects@scidev.com.au
Emergency contact:	CHEMTREC: 1-800-424-9300
Date updated:	8 August 2019

2. Hazard identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the substance and mixture:

- No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

- The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification:

- Very slippery when wet.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

- May cause some eye irritation which should cease after removal of the product.
- May cause some irritation to the respiratory system if dust is inhaled.
- MAY CAUSE SKIN IRRITATION.
- This type of product has a tendency to create dust if roughly handled. It does not burn readily but as with many organic powders flammable dust clouds may be formed in air.
- Use NIOSH approved respirator as needed to mitigate exposure.
- Wear NIOSH-certified chemical goggles.
- Take precautionary measures against static discharges.

3. Composition/information on ingredients

Chemical name: Anionic polyacrylamide

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product is not regarded as hazardous under current OSHA Hazard Communication standard; CFR 29 Part 1910.1200.

4. First-aid measures

Contact with skin:	Remove contaminated clothing. Wash affected skin with soap and plenty of water.
Contact with eyes:	Rinse immediately with plenty of water for at least 10 minutes, taking care to wash under the eyelids. If irritation persists, seek medical attention.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Check breathing and pulse. Place victim in the recovery position, cover and keep warm. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention. Rinse mouth and then drink plenty of water.
Inhalation:	Move to fresh air. Seek medical attention if you feel unwell or if exposure prolonged. If conscious place in a safe sitting or recovery position. Keep the casualty at rest.

5. Firefighting measures

Recommended extinguishers:	Foam, dry powder, carbon dioxide
Extinguishers not to be used:	Water jet
Specific hazards:	Carbon oxides, Nitrogen oxides The substances/groups of substances mentioned can be released in case of fire.
Exposure hazards:	Very slippery when wet
Special protective equipment:	Chemical protection suit, suitable gloves, boots and self-contained breathing apparatus

6. Accidental release measures

Personal precautions:	Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Environmental measures:	Prevent entry into sewerage systems, ground and surface waters.
Methods for cleaning up:	Residues or small spillages should be hosed away completely with plenty of water. Scoop into marked containers for disposal as chemical waste. Spilled product which becomes wet or spilled aqueous solution creates a hazard because of their slippery nature. Pick up with inert absorbent material (e.g. sand, earth). Contain washwater and dispose of in accordance with local regulations.

7. Handling & storage

Safe handling precautions:	Remove contaminated clothing immediately and launder before re- use. Before breaks and end of work wash hands and/or face. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.
Protection against fire and explosion:	As with many organic powders flammable dust clouds may be formed.
Storage requirements:	Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace. Keep in a dry, cool place. Avoid extremes of temperature. Avoid wet or humid conditions.

8. Exposure controls/personal protection

Components with Occupational exposure limits:	Observe occupational exposure limit for inert dust. Particles, not otherwise specified, inhalable TWA value 10 mg/m^3 (ACGIHTLV), Inhalable particles Particles, not otherwise specified, respirable TWA value 3 mg/m^3 (ACGIHTLV), Respirable particles
Respiratory protection:	Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:	Chemical resistant protective gloves Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.
Eye protection:	Tightly fitting safety goggles (chemical goggles) or safety glasses with side-shields.
Body protection:	Light protective clothing
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work.

9. Physical and chemical properties

Form:	Powder
Colour:	Off-white
Odour:	Odourless
pH:	7.3 (1% solution)
Melting point:	Not applicable
Boiling point:	N/A
Sublimation point:	N/A
Flash point:	N/A
Flammability:	No data available
Lower explosion limit:	N/A
Upper explosion limit:	N/A
Ignition temperature:	350°C
Self-ignition temperature:	No data available
Explosion hazard:	N/A
Fire promoting properties	N/A

Vapor pressure:	Not tested
Density:	No data available
Relative density:	No data available
Bulk density:	750 kg/m^3
Relative vapour density (air):	Not tested
Solubility in water:	Forms a viscous solution
Solubility:	Not tested
Partitioning coefficient – n-octanol/water (log Pow):	Not tested
Viscosity, dynamic	Not tested
Viscosity, kinematic:	No data available
Evaporation rate:	Not tested

10. Stability and reactivity

Conditions to avoid:	Avoid humidity. Avoid extreme temperatures.
Materials to avoid:	Reactive chemicals, strong acids, strong bases, strong oxidizing agents
Hazardous reactions	The product is not a dust explosion risk as supplied; however, the build-up of fine dust can lead to a risk of dust explosions.
Hazardous decomposition products:	No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Acute oral toxicity:	Rat / LD50: >2.000 mg/kg By analogy with a product of similar composition
Irritation/corrosion:	Assessment of irritating effects: Not irritating to eyes and skin.
Skin irritation:	Non-irritant
Sensitivity:	Assessment of sensitization: Based on the ingredients, there is no suspicion of a skin-sensitizing potential.
Genetic toxicity:	Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.
Acute dermal toxicity:	Skin irritation/corrosion, non-irritant (conventional method)
Eye irritation/corrosion:	Non-irritant
Repeated dose toxicity:	Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.
Carcinogenicity:	Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect. None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.
Reproductive toxicity:	Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.
Symptoms of exposure:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

12. Ecological information

Toxicity to fish:	LC50 (96 h) > 100 mg/l, *Oncorhynchus mykiss* (static) (under static conditions in the presence of 10 mg/L humic acid)
Toxicity to aquatic invertebrates:	LC50 (48 h) > 100 mg/l, *Daphnia magna*
Mobility in Soil:	Adsorption to solid soil phase is expected.
Biodegradation:	Not readily biodegradable (by OECD criteria).
Bioaccumulation:	Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

13. Disposal considerations

Waste disposal of substance:	Observe all local regulations
Container disposal:	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
RCRA:	Not a hazardous waste under RCRA (40 CFR 261)

14. Transport information

Domestic transport (ADG):	Not classified as a dangerous good under transport regulations.
Sea transport (IMDG):	Not classified as a dangerous good under transport regulations.
Air transport (ICAO/IATA):	Not classified as a dangerous good under transport regulations.

15. Regulatory information

VOC Content:	Not determined
Federal regulations:	Chemical
EPCRA 311/312:	Non hazardous
CA Prop 65:	Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65: WARNING: This product can expose you to chemicals including ACRYLAMIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov. [Other Prop 65 components may be present in the product.]

16. Other information

Restricted use: THIS MATERIAL IS NOT INTENDED FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, BODY FLUIDS OR ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY, IS SPECIFICALLY INTENDED, UNLESS THE FINISHED PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH NATIONALLY AND INTERNATIONALLY APPLICABLE SAFETY TESTING REQUIREMENTS. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, SCIENTIFIC DEVELOPMENTS LTD IS NOT ABLE TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FORSUCH USES AND ASSUMES NO LIABILITY FOR SUCH USES.