

Product Name	: POLYFLOX 1855	Issue Date	: 11 <sup>th</sup> July 2017
Reference No	: Version 17.01	Replaces	: None

### 1. IDENTIFICATION

<b>GHS Product Identifier</b>	Polyflox 1855
<b>Supplier Name</b>	Integra Water Treatment Solutions
<b>Address</b>	Unit B/195 Port Hacking Road, Miranda NSW 2228
<b>Telephone</b>	(02) 9574 0000
<b>Fax</b>	(02) 9574 0011
<b>Emergency Contact</b>	1300 880 735
<b>Recommended Use</b>	A blend of anionic polymers used in waste water treatment processes.

### 2. HAZARD IDENTIFICATION

<b>Classification of the substance or mixture</b>	Classified as non-Hazardous according to the criteria of GHS. Classified as non-Dangerous Goods according to ADG Code. This material is classified as <b>non-HAZARDOUS</b> according to the criteria of Safe Work Australia.
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Ingredients	Name	CAS	Proportion
	Anionic Water-Soluble Polymer		>60 %

### 4. FIRST AID MEASURES

<b>Inhalation</b>	No hazards which require special first aid measures.
<b>Ingestion</b>	No hazards which require special first aid measures.
<b>Skin</b>	Wash affected skin areas thoroughly with soap and water. Remove and wash contaminated clothing thoroughly. Get medical attention if symptoms persist.
<b>Eye Contact</b>	IMMEDIATELY flush eye(s) with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention.
<b>Advice to Doctor</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Carbon dioxide or dry chemical.
<b>Unsuitable Extinguishing Media</b>	Do not use water as material will become slippery and increases in volume, making clean up difficult.
<b>Hazard from Combustion Products</b>	Non-combustible.
<b>Specific Hazards</b>	Combustion products – Nitrogen oxides and carbon oxides.
<b>Precautions</b>	No special protective equipment required.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	Slippery when wet.
<b>Clean-up &amp; Disposal</b>	For small spills, use vermiculite, sand or other non-combustible absorbent to soak up, sweep and place in container for disposal. Wash spill area with plenty of water to sewer. Confirm with appropriate water authority for large spills. Discharge, treatment and disposal may be subject to federal, state or local laws and these should be consulted before discharge.

### 7. HANDLING AND STORAGE

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<b>Safe Handling</b>	No data available.
<b>Safe Storage</b>	Keep in a cool dry place (0 to 35 °C). Freezing will affect the physical condition and may damage the material.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists. No exposure limits set. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Use this general information to help develop specific control measures. Ensure that control systems are properly designed and maintained and comply with occupational, environmental, fire, and other applicable regulations.
<b>Biological Limit Values</b>	No biological limit allocated.
<b>Engineering Controls</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
<b>Respiratory Protection</b>	No data.
<b>Eye Protection</b>	Safety glasses or goggles should be worn as described in Australian Standard AS/ANZ 1337 – Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Butyl, neoprene or nitrile gloves are recommended when using this product.
<b>Body Protection</b>	Suitable workwear should be worn to protect personal clothing. When large quantities are handled, the use of plastic aprons and rubber boots is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Opaque, viscous liquid
<b>Boiling Point</b>	No data
<b>Melting Point</b>	Not applicable
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	No data
<b>pH Value</b>	4.00 to 9.00
<b>Vapour Pressure</b>	No data
<b>Vapour Density (Air=1)</b>	No data
<b>Flash Point</b>	Does not flash
<b>Flammability</b>	Does not ignite
<b>Ignition Temperature</b>	Not applicable
<b>Flammable Limits (Lower)</b>	Not applicable
<b>Flammable Limits (Upper)</b>	Not applicable

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable.
<b>Conditions to Avoid</b>	No special precautions other than good housekeeping of chemicals.
<b>Incompatible Materials</b>	Reactive chemicals.
<b>Hazardous Decomposition Products</b>	Nitrogen oxides and carbon oxides.
<b>Hazardous Polymerization</b>	Will not occur.

### 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	Rat: LD <sub>50</sub> , >50g/kg approximately.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	No information available.
<b>Skin</b>	No information available.
<b>Eye</b>	Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slightly conjunctival effects on conjunctivae.
<b>Chronic Health Effects</b>	A two-year study on rats did not reveal adverse health effects.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Daphnia magna (48 hrs) EC <sub>50</sub> , >10 g/L Algae (Scenedesmus subspicatus) (72 hrs) IC <sub>50</sub> , >10 g/L
<b>Persistence/Degradability</b>	Not readily biodegradable.
<b>Mobility</b>	No data.
<b>Bioaccumulative Potential</b>	LogP <sub>ow</sub> = ~0
<b>Environmental Protection</b>	Do not allow it to enter waterways. The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

<b>Method</b>	Can be land filled, when in compliance with local regulations. For large quantities, notify your local waste management authority for specific regulations.
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### 14. TRANSPORT INFORMATION

<b>Transport Information</b>	Classified as non-dangerous goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> Edition).
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### 15. REGULATORY INFORMATION

<b>Poisons Schedule Number</b>	Not scheduled.
<b>Packaging and Labelling</b>	As required by the ADG Code and Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

The ingredients contained in this product listed on the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

<b>Date Prepared</b>	11 <sup>th</sup> July 2017
<b>Abbreviations</b>	GHS – Globally Harmonised System of Classification and Labelling of Chemicals ADG – Australian code for the Transport of Dangerous Goods by Road and Rail
<b>Others</b>	This information summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider this information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

...END OF SDS...