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163 Morrin Rd, St John's, Auckland 1072

Safety Data Sheet – Floc

Revision date: August 2020

Section 1 – Product Identifier and chemical identity

Product names: **Floc**

Product use: Swimming pool water clarifier

Supplier details: Manufactured and Distributed within NZ by;
ALGON NZ,
163 Morrin Rd,
St Johns,
Auckland, 1072.
Ph +64 9 529 0523

Distributed within Australia by;
Algon Australia Pty Ltd,
Reg'd Office Level 11, 80 Mount St,
Nth Sydney, NSW 2060"
Ph: +61 2 944 97997, Fax: +61 2 944 95664

Emergency contact details (24 hrs) NZ National Poisons Centre – 0800 764 766

NSW Poisons Information Centre – 131 126

Section 2 – Hazard Identification

Hazardous Classification: Classified as hazardous according to the Hazardous Substances and New Organisms Act 1996

GHS Signal Word: WARNING

HSNO Classification	GHS Classification	Hazard Statement
6.1E	Acute Toxicity (Oral) – Category 5	May be harmful if swallowed.
6.3A	Skin irritant - Category 2	Causes skin irritation
6.4A	Serious eye irritation – Category 2	Causes serious eye irritation

Precautionary Statements:

PREVENTION
Keep out of reach of children.
Read label before use.
Wash hands thoroughly after handling
Wear protective gloves, clothing, and eye/face protection

RESPONSE
If medical advice is needed, have product container or label at hand.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER if you feel unwell

If skin or eye irritation occurs: Get medical advice/attention.
Take off and wash contaminated clothing before reuse.

STORAGE
None

DISPOSAL
Triple rinse containers and recycle according to local bylaws

Section 3 – Composition

Ingredients	CAS #	Concentration
Poly Aluminium Chloride	1327-41-9	10 - 30%
Water and other non-hazardous ingredients	N/A	to 100%

Section 4 – First Aid

If you suspect that you have been poisoned or irritated by this product, you should call the Poisons Information Centre on 0800 764 766 (in NZ). Make sure you have this SDS available when you call. First aid measures vary according to routes of exposure.

Ingestion: If product is swallowed, rinse out mouth with water. Do not induce vomiting, Do not give anything by mouth to an unconscious person. Call POISON CENTER or doctor/physician

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. POISON CENTER or doctor/physician

Skin contact: Remove contaminated clothing, and wash affected areas with soap and water for several minutes. Seek medical attention if irritation continues.

Inhalation: Unlikely route for exposure. Remove victim from exposure, relocate to fresh air. Loosen or remove contaminated / restrictive clothing. Seek medical attention if effects persist.

Section 5 – Fire Fighting

Suitable Extinguishing Media: Use media to suit local environment such as dry agents, water, foam, water fog.

Unsuitable Extinguishing Media: None known

Hazards from combustion: There is no risk of explosion from this product.
May form toxic combustion products during fire such aluminum oxide and chlorine gas

Precautions for fire fighters: Fire fighters should wear approved self-contained breathing apparatus and protective fire-fighting clothing. Keep away from low positions and stay upwind.

Section 6 – Accidental Release

Protective Equipment: Wear protective clothing, triple layer nitrile gloves, and goggles or face protection (see Section 8). Dispose of the absorbed spill in polyethylene containers in accordance with local, State or Federal regulations at an approved waste disposal facility or land fill.

Environmental precautions: Try to contain spill. Prevent spillage from entering drains, sewers and waterways

Containment and Cleaning Up:
Large spills — Affected area can be slippery. Treat area with absorbent material such as sand, earth or vermiculite. Notify local council or emergency services if spillage enters drains.
Small spills — Use absorbent materials to soak up spill, and dispose of in sealed, labelled containers.

Section 7 – Handling and Storage

Precautions for Safe Handling; Ensure personal protective gear (Section 8) is worn when handling, keep exposure to a minimum. Wash hands before eating, drinking or smoking. Remove contaminated clothing before entering eating areas. Keep away from any incompatible materials mentioned in Section 10. Keep handling to a minimum.

Conditions for Safe Storage; Store in a cool dry place away from direct sunlight or heat. Keep away from any incompatible materials mentioned in Section 10. Avoid contact with strong acids, metal hydroxides,

Section 8 – Exposure Controls

Exposure Standards WES-TWA (mg/m3) - no exposure standard allocated.

Engineering Controls: Use only in well ventilated area. Have eye wash station within close proximity.

Personal Protective Equipment (PPE): Wear gloves, safety glasses, protective boots and overalls.

Eye and Face Protection: Wear safety glasses with side shields or full face mask.

Skin Protection: Wear protective clothing and gloves to avoid unnecessary contact.

Respiratory Protection: It is usually safe to use this product without a respirator.

Section 9 – Physical and Chemical Properties

Appearance:	liquid.	**Flammability:**	Not flammable.
Odour:	No data available	**Vapour pressure:**	No data available.
Odour Threshold:	No data available.	**Vapour density:**	No data available.
pH:	No data available.	**Relative Density:**	No data available.
Freezing point:	0°c approx.	**Solubility:**	Completely soluble in water.
Boiling Point:	100°c approx (at 100 kPa).	**Partition coefficient:**	No data available (n-octanol/water).
Flashpoint:	No data available.	**Auto-ignition Temperature:**	n/a – doesn't burn.
Evaporation Rate:	Similar to that of water.	**Decomposition Temperature:**	No data available.
Viscosity:	No data available.		

Section 10 – Stability / Reactivity

Reactivity: Stable under normal storage conditions, with decomposition or reaction unlikely.

Chemical Stability: Product is stable at normal ambient temperatures and pressures.

Possibility of Hazardous reactions: Polymerisation is unlikely to occur.

Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container, avoiding excessive heat, direct sunlight, freezing and moisture.

Incompatible materials: Avoid contact with strong acids, metal hydroxides,

Hazardous decomposition products: Aluminium oxides and chlorine gas.

Section 11 – Toxicological Information

Acute Toxicity: Calculated using bridging principles.

Oral May be harmful if swallowed – LD_{50} = 2083 mg/kg (calculated)

Dermal Not expected to be a hazard.

Inhalation Not expected to be a hazard.

Skin Corrosion / Irritation: Causes skin irritation

Serious Eye Damage / Irritation: Causes serious eye irritation

Respiratory or Skin Sensation: Not expected to be a hazard

Germ Cell Mutagenicity: Not expected to be a hazard.

Carcinogenicity: No information available.

Reproductive Toxicity: Not expected to be a hazard.

Specific Target Organ Toxicity Not expected to be a hazard

Aspiration Hazard: No information available.

Section 12 – Ecological Information

Ecotoxicity; No information available

Persistance and degradability; No information available.

Bioaccumulative potential: No information available.

Mobility in Soil; No information available.

Section 13 – Disposal Considerations

Disposal methods: The product should be disposed of in accordance with state or local government waste management regulations. The containers themselves should be triple rinsed and recycled wherever possible.

Section 14 – Transport Information

This product is not considered dangerous for transport according to the ADR, NZS5433, IMDG, or IATA.

Section 15 – Regulatory Information

Classified under the Group Standard HSR002684 – Water Treatment Chemicals (Subsidiary Hazard) 2017

Location compliance certification: Not required

Tracking: Not required

Certified Handler: Not required

Secondary containment: Not required

Signage: Not required

All materials listed in the AICIS chemical inventory
All materials listed in the NZIoC

Section 16 – Other Information

SDS Prepared By: Grayson Wagner Co Ltd

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Acronyms

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route, Transport of Dangerous Goods
CAS	Chemical Abstracts Service Registry
GHS	Globally Harmonised System for Classifying Chemicals
HSNO	Hazardous Substances and New Organisms
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
NZIoC	New Zealand Inventory of Chemials
NZS	New Zealand Standards
%W/W	Percent by weight

This SDS has been prepared in accordance with the HSNO Act 1996. This represents health, safety and risk information compiled from sources considered reliable and accurate to the best of our knowledge. However, no warranty is made whatsoever, expressed, or implied regarding the accuracy of this data, or the results obtained from the use thereof. Each user must view this SDS with regard to how the product will be handled /used in the workplace, in relation to individual circumstances or other products The user is cautioned to make their own determination regarding suitability of the information provided in relation to these situations / products / circumstances. If further information or clarification is required, please contact this company so that we can endeavour to obtain it.