



Product name - PurClear

SDS Preparation Date (MM/DD/YYYY) 03/10/2020

Pinnacle Aquatic Group Inc.

102, 4116-64<sup>th</sup> Ave SE

Calgary, Alberta, Canada T2C 2B3

Telephone: 403-453-1944

Product Code : N/A

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

<b>Product Identifier used on label</b>	PurClear
<b>Product Code</b>	Aqueous solution based on: aliphatic polyamine
<b>Recommended use of the chemical and restrictions on use :</b>	Water clarifier for swimming pools/spas. Coagulant; flocculation
<b>Restrictions on use :</b>	In accordance with manufacturers intentions
<b>Chemical Family</b>	Mixture – polymer flocculent
<b>Name, Address, Telephone number of Supplier</b>	Name, Address, Telephone number of Manufacturer
Pinnacle Aquatic Group Inc.	Pinnacle Aquatic Group Inc.
102, 4116-64 <sup>th</sup> Ave SE, Calgary, AB, Canada	102, 4116-64 <sup>th</sup> Ave SE, Calgary, AB, Canada
T2C 2B3	T2C 2B3
Telephone : 403-453-1944	Telephone : 403-453-1944
24 Hr Emergency Number : Canutec 613-966-6666	24 Hr Emergency Number : Canutec 613-966-6666

### SECTION 2. HAZARDS IDENTIFICATION

<b>Classification of the chemical</b>	Blue liquid, slight odour This material is NOT classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200)(Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015)
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<b>Label Elements</b>	H402	Harmful to aquatic life	
	H412	Harmful to aquatic life with long lasting effects	
<b>Hazard Statement(s)</b>	<b>Precautionary Statements (Prevention)</b>	P 273	Avoid release to the environment.
	<b>Precautionary Statements (Disposal)</b>	P 501	Dispose of contents/container in accordance with local regulations.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Solution**

Chemical Name	Common Name and Synonyms	CAS#	Concentration (% by weight)
Methanamine, N-Methyl-Polymer with (chloromethyl) oxirane	Polymer	25988-97-0	27%-32%



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### SECTION 4. FIRST AID MEASURES

	Description of first aid measures	Signs and Symptoms
<b>Inhalation:</b>	Move victim to fresh air and seek medical attention.	May cause irritation to the nose, throat and respiratory tract.
<b>Skin contact:</b>	Wash contaminated area thoroughly with soap and water for at least 15 minutes. Seek medical attention. Wash clothing before wearing again.	Direct skin contact may cause slight irritation
<b>Eye contact:</b>	Flush eye(s) for at least 15 minutes with eye held open. Seek medical attention.	Direct eye contact may cause slight irritation
<b>Ingestion:</b>	NEVER give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention.	Ingestion may cause irritation to the mouth, throat and stomach

#### Most important symptoms and effects, both acute and delayed.

Symptoms: 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.

Hazards: No hazard is expected under intended use and appropriate handling.

In all cases, take this document when seeking medical attention.

Note to physician: Treat according to symptoms (decontamination, vital functions). No known specific antidote.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing media

Dry powder, foam, water spray. If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

##### Specialized hazards arising from the substance or mixture / conditions of flammability.

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame



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**Flammability classification ( OSHA 29 CFR 1910.106 )**

**Hazardous combustion products**

**Special protective equipment and precautions for fire-fighters.**

Does not burn under normal handling conditions

Carbon oxides and other irritating fumes and smoke.

Protective Equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special Fire-fighting procedures:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Dike for water control. Do not allow run-off from firefighting to enter drains or water courses.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Remove all ignition sources. Remove or isolate flammable and combustible materials. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

**Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Spill response / clean up**

Contain and absorb any spilled liquid concentrate with absorbent material, then place material into a container for later disposal. Contaminated absorbent material may pose the same hazards as the spilled product. For large amounts, pump off product. Notify authorities as required.

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

No special measure necessary provided that product is used correctly.

**Conditions for safe storage**

Keep container tightly closed. Store in a cool place.

**Storage Temperature**

>=0°C. Protect from temperatures below 0°C. Avoid freezing; frost sensitive.



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### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits**

No occupational exposure limits known.

**Exposure controls**

**Body Protection:**

Body protection dependent on activity and possible exposure, eg: apron, protecting boots, chemical protection suit.

**Respiratory protection**

Wear a NIOSH-certified respirator as necessary.

**Skin Protection**

Wear chemical resistant protective gloves.

**Eye / face protection**

Wear chemical splash goggles with side shields.

**General Considerations**

Handle in accordance with good industrial and safety practice. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the work place.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue liquid
Odour	Slight amine odor
Odour Threshold	No data available
pH	7
Melting / Freezing point	~ 0° C
Initial boiling point and boiling range	~ 100° C
Flash point	NAV
Flash point method	NAV
Evaporation rate (BuAe=1)	NAV
Flammability (solid / gas)	Not Flammable
Lower flammable limit (% by vol.)	NAV
Upper flammable limit (% by vol.)	NAV
Oxidising properties	None known
Explosive properties	Not explosive
Vapour pressure	NAV
Vapour density	NAV
Relative density / Specific gravity	NAV
Soluble in water	Soluble
Other solubility(ies)	None known
	Study scientifically not justified



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Partial coefficient: n-octanol / water or coefficient of water / oil distribution	
Auto-ignition temperature	NAV
Decomposition temperature	NAV
Viscosity	NAV
Volatiles (% by weight)	NAV
Volatile organic compounds (VOC's)	NAV
Absolute pressure of container	NAV
Flame protection length	NAV
Other physical / chemical comments	None

### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under recommended storage and handling
<b>Chemical Stability</b>	Stable under recommended storage and handling
<b>Possibility of hazardous reactions</b>	No hazardous reactions known
<b>Cautions to avoid</b>	Avoid temperature extremes, especially freezing conditions
<b>Incompatible materials</b>	Reactive chemicals, strong oxidizing agents
<b>Hazardous decomposition products</b>	No hazardous decompositions known

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Signs and symptoms of short term exposure (acute)

<b>Signs and symptoms ingestion</b>	This material has no known negative signs and symptoms of ingestion. > 6110mg/kg (oral-Rat)
<b>Signs and symptoms skin</b>	This material has no known negative signs and symptoms on skin. Non-irritant (dermal-Rabbit)
<b>Signs and symptoms eyes</b>	This material has no known negative signs and symptoms in eyes. Non-irritant (ocular-Rabbit)
<b>Mutagenicity</b>	No suspicion of mutagenic effect
<b>Carcinogenicity</b>	No indication of a carcinogenic effect
<b>Reproductive Effects and Teratogenicity</b>	No suspicion of a toxic effect on reproduction/unborn children.
<b>Sensitization to material</b>	Not expected to be a skin or respiratory sensitizer
<b>Medical conditions aggravated by overexposure</b>	Possible aggravation with pre-existing skin and/or eye conditions.
<b>Synergistic materials</b>	Not available.



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### SECTION 12. ECOLOGICAL INFORMATION

Acutely harmful for aquatic organisms. May cause long-term adverse side effects in the aquatic environment.

<b>Toxicity to Fish:</b>	96 h/LC 50:> 10mg/l
<b>Toxicity to Aquatic Invertebrates:</b>	Daphnia magna/48 h/LC 50: 22mg/l
<b>Biodegradation:</b>	The polymer component of the product is poorly biodegradable.
<b>Mobility in Soil:</b>	Absorption to solid soil phase is expected.
<b>Other Eco Toxicological Advice:</b>	The product has not been tested. The statement has been derived from substances/products of a similar structure of composition.

### SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal of Substance:	Dispose of in accordance with federal, provincial and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
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### SECTION 14. TRANSPORTATION INFORMATION

#### Transportation of Dangerous Goods (TGDR):

Land TDG Classification:	Not classified as a dangerous good
Sea IMDG Classification:	Not classified as a dangerous good
Air IATA/ICAO Classification:	Not classified as a dangerous good

### SECTION 15. REGULATORY INFORMATION

Registration Status: Chemical	DSL, CA	Released/listed
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### SECTION 16. OTHER INFORMATION

#### Legend

CA: California x  
CFR: Code of Federal Regulations x  
DSL: Domestic Substances List x  
Hazcom: Hazard Communication Standard x  
IATA: International Air Transport Association x  
ICAO: International Civil Aviation Organisation x  
IMDG: International Maritime Dangerous Goods x  
LC: Lethal Concentration x  
NVA: Not Available x



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	NIOSH: National Institute of Occupational Safety and Health x OSHA: Occupational Safety and Health Administration x SCBA: Self-Contained Breathing Apparatus x TDG: Canadian Transportation of Dangerous Goods x WHMIS: Workplace Hazardous Materials Identification System x
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**Preparation Date (mm/dd/yyyy)**

10/31/2018

**Other special considerations for handling**

Provide adequate information, instruction and training for operator

<b>Prepared by:</b>	
Pinnacle Aquatic Group Inc. 102, 4116-64 <sup>th</sup> Ave SE Calgary, Alberta, Canada T2C 2B3 403-453-1944	

#### DISCLAIMER

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