



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET W-5097

Protection Required



SECTION 1 - MATERIAL IDENTIFICATION AND USE

Manufacturer's Name : PMC Water Systems Services Inc.
Manufacturer's Address : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7
Manufacturer's Phone # : (905) 669-8262
24 Emergency Phone # : Canutec (613) 996-6666
Product Identifier : W-5097
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Aluminum Chlorohydrate	30 – 60%	12042-91-0	No Data Available	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statements Causes serious eye irritation
Precautionary Statement Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Other Hazards Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 4 – FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water. Seek medical attention if irritation develops and persists.
Skin Contact Wash thoroughly with soap and water. Seek medical attention if skin irritation develops and persists.
Inhalation Immediately move victim to fresh air. If breathing is difficult, have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.
Ingestion Rinse mouth with water. Do not induce vomiting. Seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Not flammable
Flash Point Does not flash.
Autoignition Temperature Does not ignite.
Means of Extinction Use media appropriate for surrounding fire. Cool fire exposed containers and structures with water.
Special Firefighting Procedures/Equipment Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.
Hazardous Combustion Products Oxides of carbon and chlorine compounds including hydrogen chloride.
NFPA Ratings Health 1, Flammability 0, Instability 0
HMIS Ratings Health 1, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear adequate personal protective equipment. Keep people away from spill/leak.
Environment precautions	Ensure spilled product does not enter drains, sewers, waterways or confined spaces. Do not flush into surface water.
Spill Response/Cleanup	Contain and recover liquid where possible. Soak up with inert absorbent material and place in appropriate containers for disposal. Prevent spill from entering sewers and water courses.

SECTION 7 – HANDLING AND STORAGE

Handling	Good industrial practice in housekeeping and personal hygiene should be followed. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.
Storage Requirements	Store in a cool, dry place to maintain product performance. Freezing will affect the physical condition and may damage the material.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.
Respiratory Protection	In operations where exposure levels are exceeded, a NIOSH approved respirator with dust/mist cartridges or supplied or respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.
Skin Protection	PVC or other plastic gloves. Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.
Eye/Face Protection	Safety glasses with side-shields. Do not wear contact lenses where the product is used.
Other Comments	An eyewash station and safety shower should be available
General Hygiene	Wash hands before breaks and at the end of the workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Ingredient	Exposure Limit – ACGIH TLV	Exposure Limit – OSHA PEL
Aluminum Chlorohydrate	2 mg/m ³ AL (TWA)	2 mg/m ³ AL (TWA)

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Odour and Appearance	: Odourless; clear, colourless
Odour Threshold	: Not Available
Specific Gravity (Water = 1)	: 1.30 – 4.5
Vapour Pressure (mmHg)	: 17 @ 20°C, 68°F
Vapour Density (Air = 1)	: 1.3
Evaporation Rate	: Not Applicable
Boiling Point	: 100°C, 212°F
Freezing/Boiling Point	: Not Available
pH	: 3.5 – 4.5
Solubility in Water	: Complete

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable
Conditions for Instability	Avoid contact with mineral acids, excessive heat and bases/alkalis.
Incompatible Materials	Metals (zinc and aluminum), alkalis.
Hazardous Decomposition Products	Oxides of carbon and chlorine compounds including hydrogen chloride. Reacts with metals to form flammable hydrogen gas.
Hazardous Polymerization	Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Entry	: Eyes, skin, respiratory and digestive system. Absorbed through skin.
Skin Contact	: May cause irritation on prolonged or repeated contact.
Eye Contact	: May cause moderate to severe eye irritation with pain and tearing. Corneal damage is possible.

Ingestion	:	Ingestion may cause irritation of the mucous membranes, esophagus, and stomach. May cause nausea, vomiting and diarrhea. Large amounts may cause liver and kidney effects.
Inhalation	:	Inhalation of mists may cause irritation of the nose, throat and upper respiratory tract.
Chronic Exposure Effects	:	Prolonged inhalation of aluminum chlorohydrate in laboratory animals causes fibrosis of the lungs.
Irritancy	:	Irritating to eyes, skin, respiratory and digestive tracts.
Sensitization	:	This material is not known to cause sensitization.
Carcinogenicity	:	None of the components listed is a carcinogen or suspected carcinogen by IARC, NTP or OSHA.
Teratogenicity	:	No Data Available
Mutagenicity	:	None currently known.
Reproductive Effects	:	No Data Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments No ecotoxicity data is available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Dispose in accordance with federal, provincial or local government requirements. Contact your local, provincial or federal environmental agency for specific regulations.

SECTION 14 – TRANSPORT INFORMATION

TDG Shipping Regulations Not TDG Regulated

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class D2B: Toxic Material
Domestic Substances List All ingredients are listed on the DSL or are not required to be listed.

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
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 Concord Ontario L4K 1L7

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While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.