



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL SAFETY DATA SHEET W-5033

Protection Required



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-5033
Product Use : Coagulant for potable water
WHMIS Class : [E] Corrosive
TDG Class : Corrosive Liquid Acidic Inorganic, NOS, Class 8, UN 3264, PG II

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Aluminum Chloride Hydroxide Sulphate	15-40%	39290-73-3	12.8 g/kg (rat)	No Data Available

The remaining ingredients are not classified as hazardous according to the DSL.

PHYSICAL DATA FOR PRODUCT

Physical State : Liquid
Odour and Appearance : Odourless; Clear Amber Liquid
Odour Threshold : No Data Available
Specific Gravity (Water = 1) : 1.205 g/cc
Vapour Pressure (mmHg) : 17 mm (Hg) @ 20°C
Vapour Density (Air = 1) : 1.3
Evaporation Rate : Slow
Boiling Point : 102°C, 215.6°F
Freezing Point : -12°C, 10.4°F
pH : 3.5 – 4.5
Coefficient Water/Oil Distribution : >1

FIRE AND EXPLOSION HAZARD OF PRODUCT

Flash Point And Method of Determination : Not Applicable
Conditions of Flammability : Not Flammable
Means of Extinction : Water, carbonic gas or dry chemical products or foam
Upper Explosion Limit : Not Applicable
Lower Explosion Limit : Not Applicable
Auto-Ignition Temperature : Not Applicable
Hazardous Combustion Products : Can produce hydrochloric acid gas during fire

REACTIVITY DATA

Stability	:	Stable
Incompatible Materials	:	Zinc, aluminum, alkali and chlorine based materials
Conditions of Reactivity	:	Very high temperatures
Hazardous Decomposition Products	:	Chemical could produce hydrogen gas if in contact with zinc or aluminum. Can produce hydrochloric acid gas if a fire occurs.

TOXICOLOGICAL PROPERTIES

Routes of Entry	:	
Skin Contact	:	Prolonged exposure may cause skin irritation.
Skin Absorption	:	-
Eye Contact	:	Contact with eyes could produce tears and sensation of burning in the eyes.
Ingestion	:	May be harmful if ingested. May cause nausea and vomiting. This chemical could affect the liver and kidneys.
Inhalation	:	Mist can irritant lungs
Acute or Over Exposure Effects	:	Corrosive to eyes, skin and mucous membranes
Chronic Exposure Effects	:	Prolonged contact could cause dermatite
Exposure Limit	:	No Data Available
Irritancy	:	Moderate to skin and eyes
Sensitization	:	No Data Available
Carcinogenicity	:	None Known
Teratogenicity	:	No Data Available
Mutagenicity	:	No Data Available
Reproductive Effects	:	No Data Available

PREVENTATIVE MEASURES

Personal Protective Equipment	:	Use rubber boots, neoprene gloves. Complete facial protector and security goggles.
Respiratory Protection	:	A NIOSH filter mask for mineral acids is required in absence of proper ventilation.
Ventilation Requirements	:	Normal room ventilation
Spill and Leak Procedures	:	Dike to contain spills; reclaim as much as possible and avoid the spill going to drain. Sponge or absorb remainder with clay based absorbent.
Storage Requirements	:	Store in a clean dry area. Keep container closed and sealed.

FIRST AID MEASURES

Ingestion: Give large amounts of water. Do not induce vomiting. Consult a physician immediately. *Inhalation:* If effects occur, remove to fresh air. Consult a physician. *Skin Contact:* Immediate flushing in flowing water. Consult a physician. *Eye Contact:* Rinse with flowing water for at least 15 minutes making sure to keep eyelids open. Consult a physician immediately.

PREPARATION INFORMATION

Prepared By	:	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord, ON L4K 1L7
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Date Prepared	:	July 28, 2013

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.