



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET W-5068

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-5068
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD50	LC50
Sodium Aluminate	22-28%	1344-09-8	No Data Available	No Data Available
Sodium Hydroxide	7-9%	1310-73-2	400 mg/kg (oral – rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statements May be corrosive to metals. Causes severe skin burns and eye damage
Precautionary Statements Keep only in original packaging. Absorb spillage to prevent material damage. Do not breathe dust/fume/gas/mist/vapours/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in a closed container. Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

SECTION 4 – FIRST AID MEASURES

Eye Contact Remove contact lenses, if worn. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical advice immediately.
Skin Contact Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion Do not induce vomiting. Give large amounts of water followed by milk if available. If vomiting should occur spontaneously, keep airway clear. Seek medical advice immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Not flammable
Flash Point Not Applicable
Autoignition Temperature Not Applicable
Extinguishing Media Water fog, carbon dioxide, foam, dry chemical.

Special Procedures	Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container; cool exposed containers with water spray. Fire fighters should wear full protective clothing. Use self-contained breathing apparatus in confined areas; avoid breathing mist or spray.
Hazardous Combustion Products	May produce hazardous fumes or hazardous decomposition products.
NFPA Ratings	Health 3, Flammability 0, Instability 0
HMS Ratings	Health 3, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear suitable protective clothing and gloves.
Environment Precautions	Ensure spilled product does not enter sewers or streams; dike if needed.
Spill Response/Cleanup	Prevent further leakage or spillage if safe to do so. Build dikes as necessary to contain flow of large spills. Clear spills immediately. For small spills, neutralize with weak acidic material such as vinegar, an inert material to absorb, or wash product to a chemical sewer. Place contaminated materials into containers and store in a safe place to await proper disposal.

SECTION 7 – HANDLING AND STORAGE

Handling	Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, gloves, and protective clothing when handling. Wash thoroughly after handling. Do not breathe mist or spray. Use with adequate ventilation and employ respiratory protection where mist or spray may be generated. Do not take internally. FOR INDUSTRIAL USE ONLY. Material is slippery; use caution if walking on spilled material.
Storage Requirements	Keep container tightly closed when not in use. Store in a cool, dry place away from direct heat.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Use with adequate ventilation. Use local exhaust if mist or spray is generated.
Respiratory Protection	Use NIOSH approved combination dust and mist respirator where spray mist occurs.
Skin Protection	Apron, coveralls, gloves and/or other protective clothing.
Eye/Face Protection	Chemical goggles. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.
Other Comments	An eyewash station and safety shower must be available in immediate work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Thick liquid
Odour and Appearance	:	Odourless; Clear to hazy white
Odour Threshold	:	Not Applicable
Specific Gravity (Water = 1)	:	1.394
Vapour Pressure (mmHg)	:	Not Available
Vapour Density (Air = 1)	:	Not Available
Evaporation Rate	:	Not Available
Boiling Point	:	Not Available
Freezing/Melting Point	:	Not Available
pH	:	11.3
Coefficient Water/Oil Distribution	:	Not Applicable
Solubility in Water	:	Miscible in water

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable under normal conditions of handling, use and transportation.
Incompatible Materials	Strong acids. Aluminium, brass, bronze, copper, tin, zinc, ammonium salts.
Hazardous Decomposition Products	Thermal decomposition may release toxic and/or hazardous gases.
Hazardous Polymerization	Not anticipated under normal or recommended handling and storage conditions

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Skin Contact	: Causes severe skin irritation.
Eye Contact	: Causes severe eye irritation.

Ingestion	:	May cause irritation to mouth, esophagus and stomach. Causes digestive tract irritation.
Inhalation	:	Mists may cause irritation of upper respiratory tract.
Chronic Exposure Effects	:	Frequent ingestion over extended periods of time of gram quantities of silicates is associated with the formation of kidney stones and other siliceous urinary calculi in humans.
Exposure Limit	:	Not Available
Irritancy	:	Not Available
Carcinogenicity	:	Not listed by IARC and ACGIH
Teratogenicity	:	Not Available
Mutagenicity	:	Not Available
Reproductive Effects	:	Not Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. May be harmful to aquatic life.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Dispose in accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION

Shipping Regulations UN 3266, Liquid, Basic, Inorganic, N.O.S. (Sodium Aluminate Solution) Class 8 Corrosive, PG II
Domestic Substances List All ingredients are listed on the DSL or are not required to be listed.

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class D2B: Toxic Material
Class E: Corrosive Material

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
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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.