



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET C-2017

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 : C-2017
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sodium Silicate	15-40%	1344-09-8	1960 mg/kg (oral - rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statement Causes skin irritation. Causes serious eye irritation. Harmful if swallowed.
Precautionary Statement Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product.
If on skin (or hair): Immediately take off all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. If swallowed: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Dispose of contents/container in accordance with local/regional/national/international regulations.
Other Hazards Upon drying forms thin glass that can cut skin. Spilled material may cause a slipping hazard.

SECTION 4 – FIRST AID MEASURES

Eye Contact Immediately flush eye(s) with plenty of water for at least 15 minutes. Get medical attention immediately after flushing.
Skin Contact Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately.
Inhalation Remove victim to fresh air. If breathing stops, begin artificial respiration immediately. If breathing is difficult, give oxygen and get immediate medical attention.
Ingestion Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Material is noncombustible
Flash Point None
Autoignition Temperature Not Available
Extinguishing Media Use extinguishing media appropriate for surrounding fire. This material is compatible with all extinguishing media.
Special Procedures Fire fighters should wear full protective clothing, including self-contained breathing equipment.
Hazardous Combustion Products Not Available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective equipment.
Environment Precautions	Ensure spilled product does not enter sewers or streams; dike if needed.
Spill Response/Cleanup	Absorb with an inert dry material and place in an appropriate waste disposal container. Isolate hazard and restrict access. Prevent spilled material from entering sewers, confined spaces, drains or waterways. Dike area to contain spill. Neutralize contamination area and flush with large quantities of water. Spilled material may cause floors and contact surfaces to become slippery.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing vapour. Promptly clean residue from closures with a water dampened cloth. Promptly clean up spills.
Storage Requirements	Keep containers tightly closed. Store in clean steel or plastic containers. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. Separate from acids, reactive materials and ammonium salts. Store between 0°C to 95°C. Loading temperature 45°C to 95°C.

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
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
Incompatible Materials	Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc.
Hazardous Decomposition Products	Hydrogen
Hazardous Polymerization	Will not occur
Additional Information	Dries to form glass film which can easily cut skin.

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Skin Contact	: Causes moderate skin irritation.
Eye Contact	: Causes 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 Not TDG Regulated
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

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.