



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET

B-3226

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 : B-3226
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Quaternary ammonium compounds, coco alkyl trimethyl, chlorides	5 - 15%	61789-18-2	684 mg/kg (oral - rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statement Causes skin irritation. Causes serious eye irritation. Harmful if swallowed. Causes severe skin burns and eye damage. Very toxic to aquatic life.

Precautionary Statement Wear protective gloves/protective clothing/eye protection/ face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Collect spillage. **If on skin:** Wash with plenty of soap and water. If skin irritation occurs, get medical advice/ attention. **If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Take off contaminated clothing and wash before reuse. **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. **If swallowed:** Rinse mouth. Do NOT induce vomiting.

SECTION 4 – FIRST AID MEASURES

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability May be combustible at high temperature.

Flash Point Closed cup: >100°C (212°F). (Pensky-Martens.)

Autoignition Temperature not available

Combustion Products Carbon oxides, nitrogen oxides, halogenated compounds, hydrogen chloride.

Extinguishing media Use dry chemical powder, water spray, fog or foam. Do not use water jet.

Special Firefighting Procedures/Equipment Firefighters should wear NIOSH-approved self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective equipment. Do not touch or walk through spilled material. Avoid breathing vapor or mist.
Environment precautions	Ensure spilled product does not enter sewers or streams.
Spill Response/Cleanup	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 7 – HANDLING AND STORAGE

Handling	For industrial use only. Handle and open containers with care. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Do not ingest.
Storage Requirements	Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Use only in well ventilated areas. Use local exhaust if mist or spray is generated.
Respiratory Protection	Wear appropriate respirator when ventilation is inadequate
Skin Protection	Chemical resistant impervious gloves, clothing and boots
Eye/Face Protection	Chemical goggles; face shield. Contact lenses should not be worn; they may contribute to severe eye injury.
Other Comments	An eyewash station and safety shower should be available.
General Hygiene	Wash thoroughly after handling
Exposure Limits	Not Available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Odour and Appearance	: Faint odour; colourless to light yellow
Odour Threshold	: Not Available
Specific Gravity (Water = 1)	: 0.97 – 1.03
Vapour Pressure (mmHg)	: 2.3 kPa (17 mmHg) (at 20°C)
Vapour Density (Air = 1)	: The only known value is 1 g/cm ³ (Water).
Evaporation Rate	: 0.36 (Water) compared to Butyl acetate.
Boiling Point	: 100°C, 212°F
Freezing/Melting Point	: 4°C, 39°F
pH	: 6 - 9
Solubility in Water	: Easily soluble in hot water, methanol, acetone. Soluble in cold water.

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable
Incompatible Materials	Reactive with oxidizing agents.
Hazardous Decomposition Products	Halogenated compounds, hydrogen chloride.
Hazardous Polymerization	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Entry	: Absorbed through skin. Dermal contact. Eye contact.
Skin Contact	: Severely irritating to the skin. Harmful in contact with skin. May cause sensitization by skin contact
Eye Contact	: Severely irritating to the eyes.
Ingestion	: Do not ingest.
Inhalation	: Harmful if inhaled.
Chronic Exposure Effects	: Repeated or prolonged exposure is not known to aggravate medical conditions.
Irritancy	: Eye irritant.
Carcinogenicity	: Not listed by IARC, NTP, OSHA or ACGIH.
Teratogenicity	: Not Available
Mutagenicity	: Not mutagenic
Reproductive Effects	: Not Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments	VERY TOXIC TO AQUATIC ORGANISMS. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways.
Biodegradability	Readily biodegradable.
Products of Degradation	Carbon oxides and water, nitrogen oxides, halogenated compounds.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose in accordance with federal, provincial or local government requirements. Empty containers should be recycled or disposed through an approved waste management facility.
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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
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SECTION 16 – OTHER INFORMATION

Prepared by:	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord Ontario L4K 1L7
Preparation Date:	June 22, 2018

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.