



# PMC WATER SYSTEMS SERVICES INC.

## 124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

TEL 905 669 8262, FAX 905 669 8252, EMAIL [pmcwater@aol.com](mailto:pmcwater@aol.com), [www.pmcwatersystems.com](http://www.pmcwatersystems.com)

### MATERIAL SAFETY DATA SHEET B-3305

#### 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-3305  
**Product Use** : Water Treatment

#### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

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

#### SECTION 3 – HAZARDS IDENTIFICATION

**Potential Health Effects** Signs and Symptoms of Short-Term (Acute) Exposure.  
**Eye Contact** Causes severe eye irritation.  
**Skin Contact** Causes skin irritation. May be harmful if absorbed through skin. May cause allergic skin reaction.  
**Inhalation** Use only with adequate ventilation.  
**Ingestion** Harmful if swallowed.

#### 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.  
**NFPA Ratings** Health 2, Flammability 1, Instability 0 **HMIS Ratings** Health 2, Flammability 1, Reactivity 0

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Wear appropriate protective equipment. Do not touch or walk through spilled material. Avoid breathing vapor or mist.
<b>Environment precautions</b>	Ensure spilled product does not enter sewers or streams.
<b>Spill Response/Cleanup</b>	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

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

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

## SECTION 10 – STABILITY AND REACTIVITY

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

## SECTION 11 – TOXICOLOGICAL INFORMATION

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

## SECTION 12 – ECOLOGICAL INFORMATION

<b>General Comments</b>	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.
<b>Biodegradability</b>	Readily biodegradable.
<b>Products of Degradation</b>	Carbon oxides and water, nitrogen oxides, halogenated compounds.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	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

<b>Shipping Regulations</b>	Not TDG Regulated
<b>Domestic Substances List</b>	All ingredients are listed on the DSL or are not required to be listed.

## SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification</b>	Class D2B: Toxic Material
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## SECTION 16 – OTHER INFORMATION

<b>Prepared by:</b>	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord Ontario L4K 1L7
<b>Preparation Date:</b>	March 22, 2017

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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.