



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL SAFETY DATA SHEET

C-3010

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-3010
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Poly [oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	20 – 30%	31075-24-8	2720 mg/kg (oral – rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Potential Health Effects Signs and Symptoms of Short-Term (Acute) Exposure
Eyes May cause irritation including stinging or burning.
Skin May cause irritation with contact.
Inhalation May cause irritation of respiratory tract.
Ingestion May be harmful if swallowed.

SECTION 4 – FIRST AID MEASURES

Eye Contact Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention.
Skin Contact Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
Inhalation Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention if difficulties persist.
Ingestion Seek immediate medical attention if swallowed.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Normally non-flammable, however product at high temperatures may become combustible.
Flash Point > 100°C, 212°F
Autoignition Temperature Not Applicable
Means of Extinction Dry chemical, foam, carbon dioxide or water can be used for surrounding fire.
Special Firefighting Procedures/Equipment Wear NIOSH-approved self-contained breathing apparatus and protective clothing. Use water spray to cool down containers exposed to surrounding fire.
Hazardous Combustion Products Oxides of carbon
NFPA Ratings Health 1, Flammability 0, Instability 0
HMIS Ratings Health 1, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate personal protective equipment if required. Ventilate area.
Environment precautions	Prevent spilled product from entering enter drains, sewers, waterways or confined spaces.
Spill Response/Cleanup	Stop or reduce leak if safe to do so. Absorb small spills with absorbent material and sweep up into appropriate container for future disposal. Flush with water to remove any residue.

SECTION 7 – HANDLING AND STORAGE

Handling	Use proper equipment for lifting and transporting all containers. Good industrial practice in housekeeping and personal hygiene should be followed. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.
Storage Requirements	Store in closed containers in cool, dry, well-ventilated area. Store away from oxidizers.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems.
Respiratory Protection	Use an approved respirator with appropriate dust/mist cartridges.
Skin Protection	Impervious gloves chemically resistant rubber gloves. Body suits, aprons, and/or coveralls of chemical resistant material should be worn. Wash contaminated clothing and dry thoroughly before reuse.
Eye/Face Protection	Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. 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 hands before breaks and at the end of the workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid
Odour and Appearance	:	Mild sweet odour; light yellow to brown
Odour Threshold	:	Not Available
Specific Gravity (Water = 1)	:	1.095-1.105
Vapour Pressure (mmHg)	:	Not available
Vapour Density (Air = 1)	:	1.13-1.16
Evaporation Rate	:	Not available
Boiling Point	:	>100°C, 212°F
Freezing/Boiling Point	:	< 0°C, 32°F
pH	:	6.6-7.6 (10% solution)
Water/Oil Distribution Coefficient	:	Not available
Solubility in Water	:	Moderately soluble

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable under normal conditions.
Conditions for Instability	None known
Incompatible Materials	Oxidizers
Hazardous Decomposition Products	Oxides of carbon; chlorine gas.
Hazardous Polymerization	Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Entry	:	Eyes, skin, respiratory and digestive system. Absorbed through skin.
Skin Contact	:	Causes mild skin irritation.
Eye Contact	:	Causes eye irritation.
Ingestion	:	Harmful if swallowed
Inhalation	:	Inhalation of mists may cause irritation or corrosion of mucous membranes and the lungs.

Chronic Exposure Effects : Repeated or prolonged skin contact may cause irritation and superficial burns.
Irritancy : Slightly irritating by inhalation or contact with skin and eyes.
Sensitization : Slightly irritating by inhalation or contact with skin and eyes.
Carcinogenicity : Not Available
Teratogenicity : Not Available
Mutagenicity : Not Available
Reproductive Effects : Not Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments No biodegradability or environmental effects data is available. This product is toxic to fish.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Dispose in accordance with federal, provincial or local government requirements. Contact your local, provincial or federal environmental agency for specific regulations.

SECTION 14 – TRANSPORT INFORMATION

TDG Shipping Regulations Not TDG Regulated

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class D2B: Toxic Material
Domestic Substances List All ingredients are listed on the DSL or are not required to be listed.

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
PMC Water Systems Services Inc.
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Concord Ontario L4K 1L7
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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.
