



# PMC WATER SYSTEMS SERVICES INC.

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

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### MATERIAL SAFETY DATA SHEET

#### C-3020

#### 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-3020  
**Product Use** : Water Treatment

### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
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

<b>Personal Precautions</b>	Wear appropriate personal protective equipment if required. Ventilate area.
<b>Environment precautions</b>	Prevent spilled product from entering enter drains, sewers, waterways or confined spaces.
<b>Spill Response/Cleanup</b>	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

<b>Handling</b>	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.
<b>Storage Requirements</b>	Store in closed containers in cool, dry, well-ventilated area. Store away from oxidizers.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ventilation</b>	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.
<b>Respiratory Protection</b>	Use an approved respirator with appropriate dust/mist cartridges.
<b>Skin Protection</b>	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.
<b>Eye/Face Protection</b>	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.
<b>Other Comments</b>	An eyewash station and safety shower should be available
<b>General Hygiene</b>	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

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

## SECTION 10 – STABILITY AND REACTIVITY

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

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Routes of Entry</b>	:	Eyes, skin, respiratory and digestive system. Absorbed through skin.
<b>Skin Contact</b>	:	Causes mild skin irritation.
<b>Eye Contact</b>	:	Causes eye irritation.
<b>Ingestion</b>	:	Harmful if swallowed
<b>Inhalation</b>	:	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.  
124 Connie Crescent, Unit 9  
Concord Ontario L4K 1L7  
**Preparation Date:** January 20, 2016

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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.

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