



# PMC WATER SYSTEMS SERVICES INC.

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

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### SAFETY DATA SHEET C-3110

#### 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-3110  
**Product Use** : Water Treatment

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

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Potassium Dimethyl Dithio Carbamate	10%	128-03-0	2,030 mg/kg (oral – rat)	>29.4 mg/l

#### SECTION 3 – HAZARDS IDENTIFICATION

**Hazard Statements** Causes severe skin burns and eye damage  
**Precautionary Statements** Do not breathe dust/fume/gas/mist/vapours/spray. Wash face, hand and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Immediately take off all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

#### SECTION 4 – FIRST AID MEASURES

**Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or physician.  
**Skin Contact** Wash with plenty of soap and water. If skin irritation or rash occurs: get medical attention.  
**Inhalation** Move victim to fresh air. If not breathing give artificial respiration Consult a physician.  
**Ingestion** Immediately call a poison center or physician. Rinse mouth. Do not induce vomiting.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Flammability** Not Flammable  
**Flash Point** Not Flammable  
**Autoignition** No Data Available  
**Temperature**  
**Means of Extinction** Water fog, carbon dioxide, foam, dry chemical.  
**Special Firefighting Procedures/Equipment** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Wear NIOSH-approved self-contained breathing apparatus and full protective clothing, including self-contained breathing apparatus, coat, pants, gloves and boots. No skin surface should be exposed. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.  
**Hazardous Combustion Products** No Data Available  
**NFPA Ratings** Health 3, Flammability 1, Instability 1  
**HMIS Ratings** Health 3, Flammability 1, Reactivity 1

## 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. Ventilate area of spill or release. 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>	Good industrial practice in housekeeping and personal hygiene should be followed. Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment.
<b>Storage Requirements</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ventilation</b>	Good general ventilation (typically 10 air changes per hour) should be used.
<b>Respiratory Protection</b>	Use an approved respirator with organic vapor cartridge and full face-piece.
<b>Skin Protection</b>	Impervious gloves chemically resistant gloves. Wash contaminated clothing and dry thoroughly before reuse.
<b>Eye/Face Protection</b>	Chemical safety goggles and face shield where splashing is possible
<b>Other Comments</b>	An eyewash station and safety shower should be available
<b>General Hygiene</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	: Liquid
<b>Odour and Appearance</b>	: Ammoniacal Odour; Light Amber Liquid
<b>Odour Threshold</b>	: Not Available
<b>Specific Gravity (Water = 1)</b>	: 1.10 g/cc
<b>Vapour Pressure (mmHg)</b>	: Not available
<b>Vapour Density (Air = 1)</b>	: 0.01 mmHg (@ 68°F)
<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>	: 13
<b>Water/Oil Distribution Coefficient</b>	: Not available
<b>Solubility in Water</b>	: Easily soluble in cold water and hot water

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability/Reactivity</b>	Stable under normal conditions.
<b>Conditions for Instability</b>	Contact with fire or strong oxidants may generate methyl isothiocyanates, oxides of sulfur, nitrogen, and carbon.
<b>Incompatible Materials</b>	Strong acids, strong oxidizers, reducing agents
<b>Hazardous Decomposition Products</b>	Carbon disulfide and dimethylamine may be generated upon acidification. Thermal degradation may generate vapors of hydrogen sulfide. Contact with fire or strong oxidants may generate methyl isothiocyanates, oxides of sulfur, nitrogen and carbon.
<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 severe burns. May cause an allergic skin reaction.
<b>Eye Contact</b>	: Causes serious eye damage.
<b>Ingestion</b>	: Harmful if swallowed.
<b>Inhalation</b>	: May be harmful if inhaled. May cause respiratory tract irritation.

<b>Chronic Exposure Effects</b>	:	Repeated or prolonged skin contact may cause irritation.
<b>Irritancy</b>	:	No Data Available
<b>Sensitization</b>	:	No Data Available
<b>Carcinogenicity</b>	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Teratogenicity</b>	:	No known significant effects or critical hazards
<b>Mutagenicity</b>	:	No known significant effects or critical hazards.
<b>Reproductive Effects</b>	:	No known significant effects or critical hazards.

## SECTION 12 – ECOLOGICAL INFORMATION

**General Comments** Expected to biodegrade. Not expected to bioaccumulate. Toxic to aquatic organisms.

## 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** UN3267, Corrosive Liquid, Basic, Organic, N.O.S., (Potassium dimethyldithiocarbamate), Class 8, PG III

## SECTION 15 – REGULATORY INFORMATION

**WHMIS Classification** Not WHMIS Regulated  
**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  
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 Concord Ontario L4K 1L7

**Preparation Date:** October 14, 2018

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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.