



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL 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 ₅₀	LC ₅₀
Potassium Dimethyl Dithio Carbamate	10%	128-03-0	2,030 mg/kg (oral – rat)	>29.4 mg/l

SECTION 3 – HAZARDS IDENTIFICATION

Potential Health Effects	Signs and Symptoms of Short-Term (Acute) Exposure
Eyes	May cause eye irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.

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	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.
Procedures/Equipment	
Hazardous Combustion	No Data Available
Products	
NFPA Ratings	Health 0, 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. 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

Handling	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.
Storage Requirements	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

Ventilation	Good general ventilation (typically 10 air changes per hour) should be used.
Respiratory Protection	Use an approved respirator with organic vapor cartridge and full face-piece.
Skin Protection	Impervious gloves chemically resistant gloves. Wash contaminated clothing and dry thoroughly before reuse.
Eye/Face Protection	Chemical safety goggles and face shield where splashing is possible
Other Comments	An eyewash station and safety shower should be available
General Hygiene	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

Physical State	:	Liquid
Odour and Appearance	:	Ammoniacal Odour; Light Amber Liquid
Odour Threshold	:	Not Available
Specific Gravity (Water = 1)	:	1.10 g/cc
Vapour Pressure (mmHg)	:	Not available
Vapour Density (Air = 1)	:	0.01 mmHg (@ 68°F)
Evaporation Rate	:	Not available
Boiling Point	:	>100°C, 212°F
Freezing/Boiling Point	:	< 0°C, 32°F
pH	:	13
Water/Oil Distribution Coefficient	:	Not available
Solubility in Water	:	Easily soluble in cold water and hot water

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable under normal conditions.
Conditions for Instability	Contact with fire or strong oxidants may generate methyl isothiocyanates, oxides of sulfur, nitrogen, and carbon.
Incompatible Materials	Strong acids, strong oxidizers, reducing agents
Hazardous Decomposition Products	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.
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 severe burns. May cause an allergic skin reaction.
Eye Contact	:	Causes serious eye damage.
Ingestion	:	Harmful if swallowed.

Inhalation	:	May be harmful if inhaled. May cause respiratory tract irritation.
Chronic Exposure Effects	:	Repeated or prolonged skin contact may cause irritation.
Irritancy	:	No Data Available
Sensitization	:	No Data Available
Carcinogenicity	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Teratogenicity	:	No known significant effects or critical hazards
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive Effects	:	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 UN 1719, Caustic Alkali Liquid, Class 8, PG II

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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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.
