



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET C-2030

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-2030
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sodium Hydroxide	7-15%	1310-73-2	800 mg/kg, oral – rat	No Data Available
Sodium Borate	10-30%	1330-43-4	3200 mg/kg, oral - rat	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statements Causes severe skin burns and eye damage. Causes serious eye damage. Harmful to aquatic life.
Precautionary Statements Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Wash face, hands and any exposed skin thoroughly after handling. 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. Immediately call a Poison Center/doctor. Store locked up. Avoid release to the environment. Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

SECTION 4 – FIRST AID MEASURES

Eye Contact Get immediate medical attention. Immediately flush eye(s) with water for at least 15 minutes while holding eyelids open.
Skin Contact Get immediate medical attention. Wash with plenty of water for 15 minutes. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
Inhalation Remove victim to fresh air. If breathing stops, administer artificial respiration and seek medical aid promptly. If breathing is difficult, get immediate medical attention.
Ingestion Get medical attention immediately. Do NOT induce vomiting. If conscious, washout mouth and give water to drink. If vomiting occurs, keep victim's head below hips to prevent inhalation of vomited material.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Not Flammable
Flash Point Not Applicable
Autoignition Temperature Not Applicable
Extinguishing Media Does not burn. Use extinguishing media appropriate for surrounding fire.
Special Firefighting Procedures/Equipment Evacuate nonessential personnel from fire area. Fire fighters must wear full face, positive pressure, self-contained breathing apparatus and appropriate protective clothing.

Explosion Data Not Applicable
Hazardous Combustion Not Data Available
Products
NFPA Ratings Health 3, Flammability 0, Instability 0 **HMIS Ratings:** Health 3, Flammability 0, Reactivity

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions Safety eye goggles. Wear protective clothing and equipment.
Environment Precautions Avoid discharge to natural waters and sewers.
Spill Response/Cleanup Isolate hazard are and restrict access. Stop leak if without risk. Soak up spill with absorbent material. Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid separately to containers for recovery or disposal. Sweep or shovel material into waste container. Flush residue with water.

SECTION 7 – HANDLING AND STORAGE

Handling Corrosive material. Avoid contact with eyes, skin and clothing. Do not ingest. Do not inhale vapour or mist. Use appropriate personal protective equipment. Use with adequate ventilation. Handle in accordance with good industrial hygiene and safety practices. Keep containers closed when not in use. Empty product containers may contain residue. Follow label warnings even after container is emptied.
Storage Requirements Store in a cool, dry, well-ventilated area. Store in original tightly closed container to prevent moisture absorption and/or contamination. Store separate from acids.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Good general ventilation should be sufficient for most conditions.
Respiratory Protection Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use a NIOSH approved air-purifying respirator.
Skin Protection Protective gloves: gauntlet type, neoprene, nitrile. Impervious footwear, rubber safety boots.
Eye/Face Protection Chemical safety goggles; face shield.
Other Comments An eyewash station and safety shower should be available

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Sodium Hydroxide	2 mg/m ³ Ceiling	2 mg/m ³ PEL	10 mg/m ³
Sodium Borate	1 mg/m ³ TWA	10 mg/m ³ PEL	No data available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid
Odour and Appearance : Ammoniacal order; clear to amber liquid
Odour Threshold : Not Available
Specific Gravity (Water = 1) : 1.10
Vapour Pressure (mmHg) : Not Available
Vapour Density (Air = 1) : Not Available
Evaporation Rate : Not Available
Boiling Point : No Data Available
Freezing/Melting Point : 0° C, 32° F
pH : 13 - 14
Coefficient Water/Oil Distribution : No Data Available
Solubility in Water : Complete

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity Stable under normal conditions
Conditions to Avoid Extremes of temperature.
Incompatible Materials Acids. Contact with strong acids (sulphuric, phosphoric, nitric, hydrochloric, chromic, sulphonic) may generate heat, splattering or boiling and toxic vapours.
Hazardous Decomposition Products None known.
Hazardous Polymerization Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin Contact	:	May cause severe irritation or tissue damage depending on the length of exposure and the type of first aid administered.
Eye Contact	:	Corrosive. Will cause eye burns and permanent tissue damage.
Ingestion	:	Corrosive. Can cause severe burns to mouth, throat and stomach
Inhalation	:	Can cause damage to upper respiratory tract and lung tissue
Chronic Exposure Effects	:	No Data Available
Irritancy	:	No Data Available
Sensitization	:	Not expected to be a sensitizer.
Carcinogenicity	:	No substances in this product are listed as carcinogens.
Teratogenicity	:	Not Available
Mutagenicity	:	Not Available
Reproductive Effects	:	Not Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments May increase pH of waterways. This product is not expected to bioaccumulate.

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 1760, Corrosive Liquid, Class 8, PG III

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class D2B: Toxic Material
Class E: Corrosive 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
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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.