



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL SAFETY DATA SHEET

B-3303

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 : B-3303
Product Use : Water Treatment

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sodium Hydroxide	1-5%	1310-73-2	400mg/kg (oral – rat)	No Data Available
Tetrasodium Ethylenediamine Tetracetate	20-30%	64-02-8	3030 mg/kg (oral – rat)	Not Determined

SECTION 3 – HAZARDS IDENTIFICATION

Eye Contact Causes severe eye burns with redness, swelling, pain and blurred vision.
Skin Contact May cause skin irritation.
Inhalation Aspiration hazard. Can enter lungs and cause respiratory irritation and damage.
Ingestion Causes burns of the mouth and throat. May be harmful if swallowed and enters airways.
Chronic Health Effects Possible cancer hazard. May cause cancer based on animal data.

SECTION 4 – FIRST AID MEASURES

Eye Contact Flush eyes with running water for at least fifteen minutes. Remove any contact lenses. Get medical attention immediately. Continue to rinse eyes during transport to the hospital.
Skin Contact Remove contaminated clothing. Wash skin with plenty of running water and soap. Take victim immediately to the hospital. Consult a physician.
Inhalation If safe to do so, remove individual from further exposure. Keep warm and at rest. If breathing has ceased, give artificial respiration. Do not give mouth to mouth resuscitation. Get medical attention/ consult a physician immediately.
Ingestion Rinse mouth and give small amount of water to drink. Call doctor/ physician/poison center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. If the victim vomits, place him/her in recovery position so the vomit does not enter lungs.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Not Flammable
Flash Point Not Available
Autoignition Temperature Not Applicable
Extinguishing Media Use water fog or spray, dry chemical, foam or carbon dioxide extinguishing agents.
Special Firefighting Procedures/Equipment Evacuate personnel downwind in order to avoid inhalation of irritating and/or harmful fumes and smoke. Hazardous decomposition and combustion products such as carbon/nitrogen oxides can be formed if product is burning. Cool exposed containers with water spray to prevent overheating. Respiratory and eye protection are

required for firefighting personnel. Fire fighters must wear full face, positive pressure, self-contained breathing apparatus and appropriate protective clothing for all indoor fires and any significant outdoor fires. Evacuate area and fight fire from safe distance or a protected location. If possible, firefighters should control run-off water to prevent environmental contamination

Hazardous Combustion Products Carbon monoxide, Carbon dioxide, metal oxides, and Nitrogen Oxides (NOx)

NFPA Ratings: Health 3, Flammability 0, Instability 1 **HMIS Ratings:** Health 3, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear safety goggles, protective clothing and respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environment Precautions Prevent further leakage if safe to do so. Avoid discharge to natural waters and sewers.

Spill Response/Cleanup Contain spillage. Soak up liquid residue with a suitable absorbent such as clay, sawdust, or cat litter. Sweep up absorbed material and place in a chemical waste container for disposal. Then flush the area with water. CAUTION: The spill area may be slippery.

SECTION 7 – HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Do not ingest. Wash thoroughly after handling. 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. Keep containers closed and up right when not in use. Keep product isolated from incompatible materials/conditions. Product has a shelf life of 24 months.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Use appropriate engineering controls to avoid contact with skin, eyes, and clothing. Good general ventilation should be sufficient for most conditions.

Respiratory Protection When respiratory protection is required for certain operations, use a NIOSH approved air-purifying respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Skin Protection Avoid direct contact with skin. Wear rubber gloves, apron, boots or whole bodysuit when handling this product. Gloves must be inspected prior to use. Dispose of any contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands before breaks and immediately after handling the product.

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	Exposure Limit - NIOSH
Sodium Hydroxide	2 mg/m ³ Ceiling	2 mg/m ³ PEL	2 mg/m ³ Ceiling

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Odour and Appearance : Slight ammonia odour; colourless to yellow

Odour Threshold : Not Available

Specific Gravity (Water = 1) : 1.06

Vapour Pressure (mmHg) : 1.5 @ 20°C

Vapour Density (Air = 1) : Not Available

Evaporation Rate : <0.8 estimated

Boiling Point : 100° C, 212° F

Freezing/Melting Point : -10 to -15°C, 14 to 5°F

pH : 7 - 9

Coefficient Water/Oil Distribution : Not Applicable

Solubility in Water : Soluble

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	The product is stable under recommended storage conditions.
Conditions for Instability	No dangerous reaction known under conditions of normal use.
Incompatible Materials	Avoid contact with metals such as aluminum alloys, copper, copper alloys, and nickel. Corrosive to aluminum. Flammable hydrogen may be generated from contact with metals such as zinc and aluminum
Hazardous Decomposition Products	Depends upon temperature, air supply, and the presence of other materials.
Hazardous Polymerization	Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Entry	: Eyes, skin, respiratory and digestive system.
Skin Contact	: Not classified as corrosive to the skin according to DOT guidelines.
Eye Contact	: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.
Ingestion	: Harmful if ingested
Inhalation	: Dust may cause irritation to upper respiratory tract (nose and throat)
Chronic Exposure Effects	: In animals, effects have been reported on kidneys and urinary tract. Repeated excessive exposures may alter concentrations of metals in the body.
Irritancy	: Prolonged contact may cause skin irritation.
Sensitization	: Not Data Available
Carcinogenicity	: Possible cancer hazard
Teratogenicity	: Not Available
Mutagenicity	: Not mutagenic
Reproductive Effects	: No relevant data found

SECTION 12 – ECOLOGICAL INFORMATION

General Comments	Material is practically non-toxic to fish on an acute basis (LC50 > 100 mg/l). No adsorption is expected onto soil due to ionic structure. Bioaccumulative potential is low.
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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.
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SECTION 14 – TRANSPORT INFORMATION

TDG Shipping Regulations	Not TDG Regulated
Domestic Substances List	All ingredients are listed on the DSL or are not required to be listed.

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification	Class D2A: Very Toxic Material Class D2B: Toxic Material Class E: Corrosive Material
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SECTION 16 – OTHER INFORMATION

Prepared by:	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord Ontario L4K 1L7
Preparation Date:	October 14, 2016

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.