



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET C-2046

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-2046
Product Use : Rinse Tank Additive

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Citric Acid	25-50%	77-92-9	3 mg/kg (oral – rat)	No Data Available
Ethylene Glycol Monobutyl Ether	1-5%	111-76-2	1746 mg/kg (oral – rat)	700 ppm, 7 h (vapor – rat)
Gluconic Acid (50%)	1-5%	526-95-4	7630 mg/kg (oral – rat)	No Data Available
Phosphoric Acid (75%)	1-5%	7664-38-2	1530mg/kg (oral – rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Signal Word : Danger
Hazard Statement : May be harmful in contact with skin. Causes mild skin irritation. Causes eye irritation.
Precautionary Statement : Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Call a poison center/doctor if you feel unwell. If on skin: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 4 – FIRST AID MEASURES

Eye Contact : In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.
Inhalation : Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability : Non-flammable
Flash Point : None – will not burn

Autoignition	Not Applicable
Temperature	
Extinguishing Media	Use extinguishing media appropriate for surround fire
Special Procedures	Firefighters should wear full protective clothing including self-contained breathing equipment.
Special Hazards	None expected
Hazardous Combustion	Not available
Products	
NFPA Ratings	Health 1, Flammability 0, Instability 0
HMIS Ratings:	Health 1, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate breathing apparatus (if applicable) and protective clothing.
Environment Precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater; dike if needed.
Spill Response/Cleanup	Isolate hazard area and restrict access. Absorb with an inert dry material and place in an appropriate waste disposal container. Avoid direct contact with material. Prevent spilled material from entering sewers, confined spaces, drains, or waterways.

SECTION 7 – HANDLING AND STORAGE

Handling	For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat or other sources of ignition. DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Launder contaminated clothing prior to reuse. Protect against physical damage. Use appropriate personal protective equipment. Wash thoroughly after handling.
Storage Requirements	Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store in accordance with good industrial practices. Place away from incompatible materials.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	In confined areas, local and general ventilation should be provided to maintain airborne concentrations below permissible exposure limits.
Respiratory Protection	Not normally needed.
Skin Protection	Rubber or vinyl gloves. Wear appropriate personal protective clothing to prevent skin contact. If prolonged or repeated contact is anticipated, all clothing should be impervious to liquid.
Eye/Face Protection	Chemical goggles; also wear a face shield if splashing hazard exists.
Other Comments	An eyewash station and safety shower should be available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Solid
Odour and Appearance	:	Mild odor; clear liquid
Odour Threshold	:	No Data Available
Specific Gravity (Water = 1)	:	1.18 g/cc
Vapour Pressure (mmHg)	:	Not Available
Vapour Density (Air = 1)	:	Not Available
Evaporation Rate	:	Not Available
Boiling Point	:	>100°C, >212°F
Freezing/Melting Point	:	<0°C, 32°F
pH	:	0.2 – 0.5
Solubility in Water	:	Complete

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable
Incompatible Materials	Caustics.
Conditions of Reactivity	Reaction with caustic can create heat (strong exothermic reaction).
Hazardous Decomposition Products	Not Available
Hazardous Polymerization	Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin Contact	:	Causes irritation with discomfort, local redness, and possible swelling.
Eye Contact	:	Causes eye irritation with redness, swelling, pain, tearing, and hazy vision.
Ingestion	:	May be harmful if large amounts are swallowed.
Inhalation	:	May be harmful if inhaled.
Irritancy	:	Pre-existing eye and skin disorders may be aggravated by exposure to this product.
Carcinogenicity	:	Not Available
Teratogenicity	:	Not Available
Mutagenicity	:	Not Available
Reproductive Effects	:	Not Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches.

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

Shipping Regulations UN 1760, Corrosive Liquid, Acidic, Organic, NOS (Citric Acid Solution), Class 8, PG III
Domestic Substances List All ingredients are listed on the DSL or are not required to be listed.

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class E: Corrosive Material

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
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Preparation Date: November 23, 2018

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.