



# PMC WATER SYSTEMS SERVICES INC.

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

TEL 905 669 8262, FAX 905 669 8252, EMAIL [pmcwater@aol.com](mailto:pmcwater@aol.com), [www.pmcwatersystems.com](http://www.pmcwatersystems.com)

### MATERIAL 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 <sub>50</sub>	LC <sub>50</sub>
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

#### Potential Health Effects

**Eye Contact** Causes eye irritation. Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, hazy vision.

**Skin Contact** Causes irritation with discomfort, local redness, and possible swelling.

**Inhalation** May be harmful if inhaled.

**Ingestion** May be harmful if large amounts are swallowed.

### 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 laundry 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

**Routes of Entry**  
**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  
PMC Water Systems Services Inc.  
124 Connie Crescent, Unit 9  
Concord, ON L4K 1L7  
**Preparation Date:** November 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.

---