



# PMC WATER SYSTEMS SERVICES INC.

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

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### MATERIAL SAFETY DATA SHEET

#### B-3706

#### 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-3706  
**Product Use** : Cleaning and passivating stainless steel products. Softener resin cleaning

#### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>	EINECS/ELINCS
Citric Acid	20-30%	77-92-9	3 gm/kg, oral - rat	No Data Available	201-069-1

#### SECTION 3 – HAZARDS IDENTIFICATION

**Warning!** Causes eye and skin irritation. May cause respiratory tract irritation.  
**Target Organs** Eyes and skin

**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.  
**Chronic** Repeated exposure may cause erosion of teeth and sensitization dermatitis

#### 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 person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.  
**Inhalation**  
**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.  
**Notes to Physician** Treatment based on sound judgment of physician and individual reactions of patient.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point (C)** None – will not burn.  
**Flash Point Method** Not Applicable  
**Autoignition Temperature (C)** Not Applicable  
**Flammability Limits in Air – Lower (%)** Not Applicable  
**Flammability Limits in Air – Upper (%)** Not Applicable  
**Extinguishing media** Use extinguishing media appropriate for surrounding fire.  
**Special Exposure Hazards** Evacuate nonessential personnel from fire area. Cool fire exposed containers with water. Firefighters should wear the usual protective gear; self-contained breathing apparatus.  
**Special Protective Equipment** Fire fighters should wear full protective clothing, including self-contained breathing equipment.  
**NFPA Ratings** HEALTH 1, FLAMMABILITY 0, REACTIVITY 0  
**HMS Ratings** HEALTH 1, FLAMMABILITY 0, REACTIVITY 0

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Clean up Procedure</b>	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.
<b>Personal Precautions</b>	Wear chemical splash goggles and an appropriate breathing apparatus (if applicable).
<b>Environment Precautions</b>	Prevent entry into sewers or streams, dike if needed. Consult local authorities.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	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 personnel protective equipment. Wash thoroughly after handling.
<b>Storage Requirements</b>	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

<b>Engineering Controls</b>	Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
<b>Respiratory Protection</b>	Not normally needed
<b>Gloves</b>	Rubber gloves; vinyl gloves
<b>Skin Protection</b>	Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.
<b>Eye/Face Protection</b>	Chemical goggles; also wear a face shield if splashing hazard exists.
<b>Other Comments</b>	Ensure that eyewash stations and safety showers are proximal to the work-station location.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	:	Liquid
<b>Odour and Appearance</b>	:	Essentially odourless to very slight sugar odour; clear white - yellow
<b>Odour Threshold</b>	:	Not Available
<b>Specific Gravity (Water = 1)</b>	:	1.09
<b>Vapour Pressure (mmHg)</b>	:	16
<b>Vapour Density (Air = 1)</b>	:	0.62
<b>Evaporation Rate</b>	:	<1
<b>Boiling Point</b>	:	104° C, 219° F
<b>Freezing/Melting Point</b>	:	Not Available
<b>pH</b>	:	2.1
<b>% Volatile by Volume</b>	:	50
<b>Solubility</b>	:	Completely miscible
<b>VOCs (lbs/gallon)</b>	:	Not Available
<b>Viscosity</b>	:	Not Available
<b>Molecular Weight</b>	:	Not Available

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability/Reactivity</b>	Stable
<b>Conditions to Avoid</b>	Reaction with caustic can create heat (strong exothermic reaction).
<b>Incompatible Materials</b>	Alkalies; reactive metals.
<b>Materials to Avoid</b>	Caustics
<b>Hazardous Decomposition Products</b>	Not Available
<b>Additional Information</b>	No additional remark

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Principal Routes of Exposure

<b>Skin Contact</b>	:	Causes irritation with discomfort, local redness, and possible swelling.
<b>Eye Contact</b>	:	Causes eye irritation. Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.
<b>Ingestion</b>	:	May be harmful if large amounts are swallowed.
<b>Inhalation</b>	:	May be harmful if inhaled.
<b>Other</b>	:	Pre-existing eye and skin disorders may be aggravated by exposure to this product.
<b>Carcinogenicity</b>	:	No components are listed as carcinogens by IARC and ACGIH.
<b>Genotoxicity</b>	:	Not Available
<b>Reproductive/Developmental Toxicity</b>	:	Not Available
<b>Teratogenicity</b>	:	Not Available
<b>Embryotoxicity</b>	:	Not Available
<b>Mutagenicity</b>	:	Not Available

## SECTION 12 – ECOLOGICAL INFORMATION

**General Comments:** No information available

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.  
**Contaminated Packaging** Empty containers should be recycled or disposed of through an approved waste management facility.

## SECTION 14 – TRANSPORT INFORMATION

**TDG Shipping Regulations** Not TDG Regulated

## SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification</b>	Class E CORROSIVE MATERIAL			
<b>Canadian DSL Inventory Status</b>	All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.			
<b>MA Right to Know List</b>	Not Listed			
<b>New Jersey Right-to-Know List</b>	Not Listed			
<b>Pennsylvania Right to Know List</b>	Not Listed			
<b>U.S. Regulatory Rules</b>				
<b>Hazardous Components</b>				
<b>Ingredients</b>	<b>Percent</b>	<b>CERCLA/SARA - Section 302</b>	<b>SARA (311, 312) Hazard Class</b>	<b>CERCLA/SARA – Section 313</b>
Citric Acid	20-30	Not Listed	Not Listed	Not 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.