



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL SAFETY DATA SHEET

B-3706

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-3706
Product Use : Softener resin cleaning

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

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

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statement Causes eye and skin irritation. May cause respiratory tract irritation.
Precautionary Statement Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing dust/fume gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. If on skin: Wash with plenty of water. Take off contaminated clothing. 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. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local, regional, national, and/or 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 person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Inhalation 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.
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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Clean up Procedure 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.

Personal Precautions Wear chemical splash goggles and an appropriate breathing apparatus (if applicable).

Environment Precautions Prevent entry into sewers or streams, dike if needed. Consult local authorities.

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 personnel 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

Engineering Controls Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

Respiratory Protection Not normally needed

Gloves Rubber gloves; vinyl gloves

Skin Protection 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.

Eye/Face Protection Chemical goggles; also wear a face shield if splashing hazard exists.

Other Comments Ensure that eyewash stations and safety showers are proximal to the work-station location.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Odour and Appearance : Essentially odourless to very slight sugar odour; clear white - yellow

Odour Threshold : Not Available

Specific Gravity (Water = 1) : 1.09

Vapour Pressure (mmHg) : 16

Vapour Density (Air = 1) : 0.62

Evaporation Rate : <1

Boiling Point : 104° C, 219° F

Freezing/Melting Point : Not Available

pH : 2.1

% Volatile by Volume : 50

Solubility : Completely miscible

VOCs (lbs/gallon) : Not Available

Viscosity : Not Available

Molecular Weight : Not Available

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity Stable

Conditions to Avoid Reaction with caustic can create heat (strong exothermic reaction).

Incompatible Materials Alkalies; reactive metals.

Materials to Avoid Caustics

Hazardous Decomposition Products Not Available

Additional Information No additional remark

SECTION 11 – TOXICOLOGICAL INFORMATION

Principal Routes of Exposure

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

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

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
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Date Prepared: September 14, 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.