



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

TEL 905 669 8262, FAX 905 669 8252, EMAIL pmcwater@aol.com, www.pmcwatersystems.com

MATERIAL SAFETY DATA SHEET

R-500 & R501

PHOSPHONATE #1

Protection Required



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 : R-500 and R-501
Product Use : Test Reagent
WHMIS Class : [D2A] Very Toxic Material
TDG Class : Corrosive Liquid, NOS, Class 8 PIN 1760, PG II

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Acetic Acid	60-100%	64-19-7	No Data Available	No Data Available

The remaining ingredients are not classified as hazardous according to the DSL

PHYSICAL DATA FOR PRODUCT

Physical State : Liquid
Odour and Appearance : Strong vinegar odour; Colourless
Odour Threshold : Not Applicable
Specific Gravity (Water = 1) : 1.1 g/cc
Vapour Pressure (mmHg) : Not Data Available
Vapour Density (Air = 1) : Not Data Available
Evaporation Rate : Not Applicable
Boiling Point : 110°C, 230°F
Freezing Point : 2.2°C, 36°F
pH : 2.0 – 2.2
Coefficient Water/Oil Distribution : No Data Available

FIRE AND EXPLOSION HAZARD OF PRODUCT

Flash Point And Method of Determination : Not Available
Conditions of Flammability : Not flammable
Means of Extinction : Dry chemical, carbon dioxide and foam
Upper Explosion Limit : Not Available
Lower Explosion Limit : Not Available
Auto-Ignition Temperature : Not Available
Hazardous Combustion Products : When product is involved in a fire, firefighters should wear full protective clothing and self-contained breathing apparatus if exposed to vapours or products of combustion.

REACTIVITY DATA

Stability	:	Stable
Incompatible Materials	:	Strong oxidizers and bases
Conditions of Reactivity	:	No Data Available
Hazardous Decomposition Products	:	Heating may emit toxic fumes

TOXICOLOGICAL PROPERTIES

Routes of Entry	:	
Skin Contact	:	Yes
Skin Absorption	:	Yes
Eye Contact	:	Yes
Ingestion	:	Yes
Inhalation	:	Yes
Acute or Over Exposure Effects	:	Will burn eyes on contact, skin on prolonged contact. Will irritate mucous membranes.
Chronic Exposure Effects	:	No Data Available
Exposure Limit	:	No Data Available
Irritancy	:	Mild
Sensitization	:	No Data Available
Carcinogenicity	:	Suspected
Teratogenicity	:	None Known
Mutagenicity	:	None Known
Reproductive Effects	:	None Known

PREVENTATIVE MEASURES

Personal Protective Equipment	:	Safety glasses and rubber gloves
Respiratory Protection	:	Not normally required
Ventilation Requirements	:	Normal room ventilation
Spill and Leak Procedures	:	Dilute with water and flush into the sewer with abundant water.
Storage Requirements	:	None
Special Handling Information	:	None

FIRST AID MEASURES

Flush eyes with abundant water. Call a physician. Wash skin with soap and water. In case of ingestion, give large amounts of water or milk. Do not induce vomiting. Call a physician.

PREPARATION INFORMATION

Prepared By	:	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord, ON L4K 1L7
Phone	:	905-669-8262
Fax	:	905-669-8252
Date Prepared	:	August 11, 2013

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.