



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-600 & R-601 MOLYBDENUM BUFFER

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-600 and R-601
Product Use : Test Reagent
WHMIS Class : [E] Corrosive
TDG Class : Not TDG Regulated

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Acetic Acid	30 – 50%	64-19-7	1060 mg/kg (rabbit)	No Data Available
Sodium Hydroxide	5 – 15%	1310-73-2	500 mg/kg (rat)	No Data Available

All 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 : No Data Available
Specific Gravity (Water = 1) : 1.1 g/cc
Vapour Pressure (mmHg) : No Data Available
Vapour Density (Air = 1) : 11.4 mm
Evaporation Rate : 1
Boiling Point : 116°C, 240.8°F
Freezing Point : 4°C, 39.2°F
pH : 4.0 - 4.5 (1% Solution)
Coefficient Water/Oil Distribution : No Data Available

FIRE AND EXPLOSION HAZARD OF PRODUCT

Flash Point And Method of Determination : Not Flammable
Conditions of Flammability : Not Flammable
Means of Extinction : Dry chemical, carbon dioxide and foam
Upper Explosion Limit : No Data Available
Lower Explosion Limit : No Data Available
Auto-Ignition Temperature : No Data 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, alkalis, peroxide and chromic acid
Conditions of Reactivity	:	No Data Available
Hazardous Decomposition Products	:	When heated to decomposition, 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	:	May cause mucus membrane irritation
Chronic Exposure Effects	:	No Data Available
Exposure Limit	:	>2000 mg/kg
Irritancy	:	No Data Available
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 for 15 minutes. Call a physician. Wash skin with soap and water. In case of ingestion, 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.