



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 B-3001

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 : B-3001
Product Use : Water Treatment
WHMIS Class : [D2B] Poisonous
TDG Class : Class 8 Corrosive, UN 1824

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sodium Hydroxide	1-5%	1310-73-2	Not Data Available	No Data Available
Sodium Molybdate	7-15%	10102-40-6	520 mg/kg (Rat)	No Data Available
Morpholine	1-5%	110-91-8	1913 mg/kg (Oral Rat)	20 ppm skin

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

PHYSICAL DATA FOR PRODUCT

Physical State : Liquid
Odour and Appearance : Slight Sweet Odour; Amber Liquid
Odour Threshold : No Data Available
Specific Gravity (Water = 1) : 1.07 g/cc
Vapour Pressure (mmHg) : No Data Available
Vapour Density (Air = 1) : No Data Available
Evaporation Rate : No Data Available
Boiling Point : <100°C, <212°F
Freezing Point : -4°C, 24.8°F
pH : 13 - 14
Coefficient Water/Oil Distribution : No Data Available

FIRE AND EXPLOSION HAZARD OF PRODUCT

Flash Point And Method of Determination : Not Applicable
Conditions of Flammability : Not Flammable
Means of Extinction : As for surrounding fire
Upper Explosion Limit : No Data Available
Lower Explosion Limit : No Data Available
Auto-Ignition Temperature : No Data Available
Hazardous Combustion Products : No Data Available
Special Procedures : Fire fighters should wear self-contained breathing apparatus

REACTIVITY DATA

Stability	:	Stable
Incompatible Materials	:	Avoid oxidizers and strong acids
Conditions of Reactivity	:	Not Applicable
Hazardous Decomposition Products	:	On combustion oxides of nitrogen and carbon

TOXICOLOGICAL PROPERTIES

Routes of Entry	:	
Skin Contact	:	-
Skin Absorption	:	Yes
Eye Contact	:	Yes
Ingestion	:	Yes
Inhalation	:	Yes
Acute or Over Exposure Effects	:	May cause irritation to nose, throat and respiratory tract. If ingested, may cause nausea, vomiting and diarrhea. Irritant to eyes and skin.
Chronic Exposure Effects	:	No Data Available
Exposure Limit	:	TLV-TWA 20 ppm Morpholine,
Irritancy	:	Slight
Sensitization	:	No Data Available
Carcinogenicity	:	None Known
Teratogenicity	:	None Known
Mutagenicity	:	None Known
Reproductive Effects	:	None Known

PREVENTATIVE MEASURES

Personal Protective Equipment	:	Use rubber gloves, goggles or face shield. Use cartridge respirator for amines.
Respiratory Protection	:	Not normally required
Ventilation Requirements	:	Normal room ventilation
Spill and Leak Procedures	:	Dilute with water and drain to the sewer in accordance with environmental regulations.
Storage Requirements	:	Keep from freezing
Special Handling Information	:	See personal protective equipment

FIRST AID MEASURES

Flush eyes with abundant water. Rinse skin with soap and water. In case of ingestion, induce vomiting if possible. 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	:	July 14, 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.