



# PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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## MATERIAL SAFETY DATA SHEET B-3401

### 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-3401  
**Product Use** : Water Treatment  
**WHMIS Class** : [D2B] Poisonous, [E] Corrosive  
**TDG Class** : Not TDG Regulated

### HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Potassium Hydroxide	10-15%	1310-58-3	No Data Available	No Data Available
Phosphonic Acid	1-5%	2809-21-4	2400 mg/kg (rat)	No Data Available
Sodium Metabisulphite	10-30%	7681-57-4	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** : Slight Sweet Odour; Amber Liquid  
**Odour Threshold** : No Data Available  
**Specific Gravity (Water = 1)** : 1.15 – 1.20 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** : -10° to -15°C, 14° to 5°F  
**pH** : 12 - 13  
**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** : Not Data Available  
**Lower Explosion Limit** : Not Data Available  
**Auto-Ignition Temperature** : Not Data Available  
**Hazardous Combustion Products** : May release NOx fumes.

## REACTIVITY DATA

<b>Stability</b>	:	Stable
<b>Incompatible Materials</b>	:	Avoid oxidizers and strong acids
<b>Conditions of Reactivity</b>	:	Not applicable
<b>Hazardous Decomposition Products</b>	:	On combustion oxides of phosphorus

## TOXICOLOGICAL PROPERTIES

<b>Routes of Entry</b>	:	
<b>Skin Contact</b>	:	-
<b>Skin Absorption</b>	:	Yes
<b>Eye Contact</b>	:	Yes
<b>Ingestion</b>	:	Yes
<b>Inhalation</b>	:	Yes
<b>Acute or Over Exposure Effects</b>	:	Corrosive to eyes, skin and mucous membranes
<b>Chronic Exposure Effects</b>	:	No Data Available
<b>Exposure Limit</b>	:	TLV-TWA 20 ppm Morpholine,
<b>Irritancy</b>	:	Moderate
<b>Sensitization</b>	:	No Data Available
<b>Carcinogenicity</b>	:	None known
<b>Teratogenicity</b>	:	No Data Available
<b>Mutagenicity</b>	:	No Data Available
<b>Reproductive Effects</b>	:	No Data Available

## PREVENTATIVE MEASURES

<b>Personal Protective Equipment</b>	:	Use rubber gloves, goggles or face shield
<b>Respiratory Protection</b>	:	Not normally required
<b>Ventilation Requirements</b>	:	Normal room ventilation
<b>Spill and Leak Procedures</b>	:	Dilute with water. Neutralize and drain into the sewer with abundant water.
<b>Storage Requirements</b>	:	Keep from freezing
<b>Special Handling Information</b>	:	TDG Class 8 Corrosive

## FIRST AID MEASURES

Flush eyes with abundant water. Rinse skin with soap and water. In case of ingestion, do not induce vomiting. Call a physician.

## PREPARATION INFORMATION

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