



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-230 & R-231

N/50 SULPHURIC ACID

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-230 and R-231
Product Use : Test Reagent
WHMIS Class : [D2B] Toxic, [E] Corrosive
TDG Class : Corrosive Liquid, NOS, Class 8, UN 1760, PG III

HAZARDOUS INGREDIENTS OF MATERIAL

| Ingredients | Concentration | CAS # | LD ₅₀ | LC ₅₀ |
|----------------|---------------|-----------|------------------|-------------------|
| Sulphuric Acid | .1 – 1.0% | 7664-93-9 | 2140 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 : None; Colourless
Odour Threshold : Not Applicable
Specific Gravity (Water = 1) : 1 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 : 0°C, 32°F
pH : 2.1
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 : 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 | : | Oxidizers and bases |
| Conditions of Reactivity | : | No Data Available |
| Hazardous Decomposition Products | : | Oxides of carbon |

TOXICOLOGICAL PROPERTIES

| | | |
|--------------------------------|---|--------------------------------|
| Routes of Entry | : | |
| Skin Contact | : | Yes |
| Skin Absorption | : | Yes |
| Eye Contact | : | Yes |
| Ingestion | : | Yes |
| Inhalation | : | Yes |
| Acute or Over Exposure Effects | : | Will irritate mucous membranes |
| Chronic Exposure Effects | : | No Data Available |
| Exposure Limit | : | Not Applicable |
| Irritancy | : | Strong |
| Sensitization | : | No Data Available |
| Carcinogenicity | : | None Known |
| Teratogenicity | : | No Data Available |
| Mutagenicity | : | No Data Available |
| Reproductive Effects | : | No Data Available |

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. Neutralize and drain into the sewer with abundant water. |
| Storage Requirements | : | Avoid heat |
| 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, 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.