



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-200 & R-201 PHENOLPHTHALEIN INDICATOR

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-200 and R-201
Product Use : Test Reagent
WHMIS Class : [B2] Flammable [D2B] Toxic
TDG Class : Ethanol Solution, Class 3, UN 1170, PG II

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Ethanol	15-40%	64-17-5	7060 mg/kg (rat)	No Data Available
Methanol	5-10%	67-56-1	5628 mg/kg (rat)	6.4% /hour (rat)

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

PHYSICAL DATA FOR PRODUCT

Physical State : Liquid
Odour and Appearance : Alcoholic; Colourless
Odour Threshold : Not Applicable
Specific Gravity (Water = 1) : .92 g/cc
Vapour Pressure (mmHg) : 40
Vapour Density (Air = 1) : 1.59
Evaporation Rate : No Data Available
Boiling Point : No Data Available
Freezing Point : No Data Available
pH : 3.5 – 4.0
Coefficient Water/Oil Distribution : No Data Available

FIRE AND EXPLOSION HAZARD OF PRODUCT

Flash Point And Method of Determination : 13°C, 55.4°F FTCC
Conditions of Flammability : Heat or flame
Means of Extinction : Dry chemical, carbon dioxide and foam
Upper Explosion Limit : 19%
Lower Explosion Limit : 3.3%
Auto-Ignition Temperature : 450°C, 842°F
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	:	Oxidizing materials
Conditions of Reactivity	:	No Data Available
Hazardous Decomposition Products	:	Oxides of carbon

TOXICOLOGICAL PROPERTIES

Routes of Entry	:	
Skin Contact	:	No Data Available
Skin Absorption	:	Yes
Eye Contact	:	Yes
Ingestion	:	Yes
Inhalation	:	Yes
Acute or Over Exposure Effects	:	Headache
Chronic Exposure Effects	:	Drowsiness, appetite loss
Exposure Limit	:	Ethanol: TLV-TWA 1900 mg/M3, Methanol: TLV-TWA 260 mg/M3
Irritancy	:	Mild
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 sewer with abundant water.
Storage Requirements	:	Avoid direct sunlight
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. If possible, 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.