



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-540 & R-541 O/P TITRATING SOLUTION

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-540 and R-541
Product Use : Test Reagent
WHMIS Class : [D2B] Toxic, [E] Corrosive
TDG Class : Not Regulated

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Thorium Nitrate	.1 -1%	16045-17-3	No Data Available	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 : Odourless; Colourless
Odour Threshold : Not Applicable
Specific Gravity (Water = 1) : 1 g/cc
Vapour Pressure (mmHg) : 17
Vapour Density (Air = 1) : .6
Evaporation Rate : Not Applicable
Boiling Point : 100°C, 212°F
Freezing Point : Not Applicable
pH : 3.1
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 : Not Available
Lower Explosion Limit : Not Available
Auto-Ignition Temperature : Not 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	:	No Data Available
Conditions of Reactivity	:	No Data Available
Hazardous Decomposition Products	:	No Data Available

TOXICOLOGICAL PROPERTIES

Routes of Entry	:	
Skin Contact	:	Yes
Skin Absorption	:	Yes
Eye Contact	:	Yes
Ingestion	:	Yes
Inhalation	:	No
Acute or Over Exposure Effects	:	Ingestion of large amounts may be carcinogenic due to radioactivity
Chronic Exposure Effects	:	No Data Available
Exposure Limit	:	No Data Available
Irritancy	:	No Data Available
Sensitization	:	No Data Available
Carcinogenicity	:	None Known
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	:	Keep in a cool dry place
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.