



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

W-5068

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 : W-5068
Product Use : Water Treatment
WHMIS Class : [E] Corrosive
TDG Class : Sodium Aluminate Solution, Class 8, UN 1819, PG II

HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sodium Aluminate	29-46%	1302-42-7	Not Available	Not Available
Sodium Hydroxide	1-5%	1310-73-2	Not Available	Not Available

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

PHYSICAL DATA FOR PRODUCT

Physical State : Liquid
Odour and Appearance : Clear
Odour Threshold : No Data Available
Specific Gravity (Water = 1) : 1.32 – 1.38 g/cc
Vapour Pressure (mmHg) : No Data Available
Vapour Density (Air = 1) : No Data Available
Evaporation Rate : No Data Available
Boiling Point : 116°C, 240.8°F
Freezing Point : -18 to -11°C, 0 to 12°F
pH : 12 (1% Solution)
Coefficient Water/Oil Distribution : No Data Available

FIRE AND EXPLOSION HAZARD OF PRODUCT

Flash Point And Method of Determination : No Data Available
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 : Aluminum oxides
Hazardous Decomposition Products : Containers can build up pressure if exposed to heat (fire). Cool with water spray.
Special Protective Equipment : Fire fighters should wear full protective clothing, including self-contained breathing equipment

REACTIVITY DATA

Stability	:	Stable
Incompatible Materials	:	Not Applicable
Conditions of Reactivity	:	Not Applicable
Hazardous Decomposition Products	:	Not Applicable

TOXICOLOGICAL PROPERTIES

Routes of Entry	:	
Skin Contact	:	Yes, causes skin irritation. Prolonged or repeated contact may result in skin burns.
Skin Absorption	:	Yes, a single exposure is not likely to result in it being absorbed through the skin in harmful amounts.
Eye Contact	:	Yes, causes severe eye irritation and eye burns.
Ingestion	:	Yes, practically non-toxic if swallowed. However, alkalinity may result in irritation of the mouth and throat as well as gastrointestinal symptoms.
Inhalation	:	Yes, harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
Acute or Over Exposure Effects	:	See above
Chronic Exposure Effects	:	Extremely hazardous in case of skin contact (corrosive, irritant) of eye contact (irritant) of ingestion, of inhalation.
Exposure Limit	:	No Data Available
Irritancy	:	Corrosive
Sensitization	:	No Data Available
Carcinogenicity	:	Not listed
Teratogenicity	:	No Data Available
Mutagenicity	:	No Data Available
Reproductive Effects	:	No Data Available

PREVENTATIVE MEASURES

Personal Protective Equipment	:	Use goggles or face shield
Respiratory Protection	:	Not normally required
Ventilation Requirements	:	Normal room ventilation
Spill and Leak Procedures	:	For small spills, collect with non-combustible absorbent. For larger spills, should be confined by diking.
Storage Requirements	:	Store in a cool, dry, well-ventilated area away from heat and ignition sources.

FIRST AID MEASURES

Flush eyes with abundant water for at least 15 minutes while holding the eyelid(s) open. Immediately flush skin with plenty of water for at least 15 minutes. Removed contaminated clothing and launder before reuse. Rinse skin with soap and water. In case of ingestion, 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	:	January 28, 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.