



Kem Canada Mfg., 4 Blair Dr., Brampton, Ontario L6T 2H5

WHMIS: E

1. PRODUCT IDENTIFICATION:

PRODUCT NAME: ACID TITRANT "P"	PRODUCT CODES: TR103060 / TR103100 / TR103500
MSDS DOCUMENT CODE: TR103099	

2. HAZARDOUS INGREDIENTS

Name	CAS #	% Range	TLV	LD ₅₀ (Oral Rat)	LC ₅₀ (Inh. Rat)
Sodium Hydroxide	1310-73-2	1.0-5.0	2 mg/m ³	140 Mg/Kg	No Data

3. PHYSICAL DATA:

Odour and Appearance: Clear, colourless liquid; odourless.					
Odour Threshold: None	Specific Gravity: 1.005	Vapour Pressure: Not available		Vapour Density: (Air-1) <1	
Evaporation Rate: Same as water	Solubility in Water: Soluble	Boiling Point: ~ 100°C		Freezing Point: Not available	
% Volatile (by wt.): >97	pH (100 % Sol'n): 13.0-13.5	Density: Not applicable		Coeff. Oil/Water Distr: Not available	

4. FIRE & EXPLOSION DATA:

Flash Point (method): None	LEL: Not applicable	UEL: Not applicable	Autoignition Temp. Not applicable
Extinguishing Media: As appropriate for surrounding materials.			
Hazardous Combustion Products: Trace amounts of sodium oxide.			
Special Fire Fighting Procedures: As appropriate for surrounding materials.			
Unusual Fire & Explosion Hazards: None			

5. REACTIVITY DATA:

Stability: Stable
Conditions to Avoid: None known
Incompatibility: Strong acids.
Hazardous Decomposition Products: None.

6. HEALTH HAZARD DATA:

Primary Route of Entry:	Eyes: Yes	Skin: Yes	Inhalation: No	Ingestion: Yes
Acute Effects: Eyes: May cause severe irritation. Skin: May cause irritation. Ingestion: Swallowing small amounts can cause irritation of mouth, throat and esophagus. Swallowing large amounts can be harmful.				
Chronic Effects: Prolonged or repeated contact with eyes can cause corneal damage.				

7. FIRST AID PROCEDURES:

Eye Contact: Flush with running water for at least 15 minutes. Get medical attention.
Skin Contact: Flush thoroughly with water for at least 15 minutes while removing contaminated clothing. Get medical attention if irritation occurs. Launder contaminated clothing before reuse.
Ingestion: Do not induce vomiting. Rinse mouth with water. Have person drink water. Do not give fluids if person is unconscious or convulsing. Consult a physician.

8.0 TOXICOLOGICAL DATA:

Carcinogenic, Mutagenic, Teratogenic, Reproductive Effects: None known.
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9. SPILL & DISPOSAL PROCEDURES

Spill & Leak: Transfer to suitable container for reuse or disposal. Neutralize residual material with dilute hydrochloric acid and flush with volumes of water.
Disposal: Dispose of in accordance with all Local, Provincial and Federal regulations.

10. PRECAUTIONARY MEASURES

Personal Protective Equipment:				
Gloves: Impervious		Respiratory: None	Eyes: Safety goggles	Footwear: No special requirements
Clothing: No special requirements		Other: Eye wash and safety shower.		Ventilation: No special requirements.
Handling: Avoid contact with eyes and skin. Wash thoroughly after handling.				
Storage: Store in a cool area. Keep from freezing. Keep container closed when not in use.				

11. TDG SHIPPING INFORMATION:

Shipping Name: Sodium Hydroxide Solution	
Class: 8	UN No. 1824
	Packing Group: III

12. PREPARATION INFORMATION:

Date Prepared/Reviewed: October 13, 2009	Tel. # (905)-456-9444	Fax. # (905) 456-9447
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The information above has been obtained from reliable sources and is believed to be accurate but does not claim to be all inclusive and should be only used as a guide.