



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

**WHMIS: Not Controlled**

**1. PRODUCT IDENTIFICATION:**

<b>PRODUCT NAME:</b> ACID TITRANT "H"	<b>PRODUCT CODES:</b> TR102060 / TR102100 / TR102500
<b>MSDS DOCUMENT CODE:</b> TR102099	

**2. HAZARDOUS INGREDIENTS**

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

**3. PHYSICAL DATA:**

<b>Odour and Appearance:</b> Clear, colourless liquid; odourless.	<b>Specific Gravity:</b> 1.00	<b>Vapour Pressure:</b> Not available	<b>Vapour Density:</b> (Air-1) <1
<b>Odour Threshold:</b> None	<b>Solubility in Water:</b> Soluble	<b>Boiling Point:</b> ~ 100°C	<b>Freezing Point:</b> Not available
<b>Evaporation Rate:</b> Same as water	<b>pH (100% Sol'n):</b> 12.5 – 13.5	<b>Density:</b> Not applicable	<b>Coeff. Oil/Water Distr:</b> Not available

**4. FIRE & EXPLOSION DATA:**

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

**5. REACTIVITY DATA:**

<b>Stability:</b> Stable
<b>Conditions to Avoid:</b> None known
<b>Incompatibility:</b> Strong acids.
<b>Hazardous Decomposition Products:</b> None.

**6. HEALTH HAZARD DATA:**

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

**7. FIRST AID PROCEDURES:**

<b>Eye Contact:</b> Flush with running water for at least 15 minutes. Get medical attention.
<b>Skin Contact:</b> Flush thoroughly with water for at least 15 minutes while removing contaminated clothing. Get medical attention if irritation occurs. Launder contaminated clothing before reuse.
<b>Ingestion:</b> 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:**

<b>Carcinogenic, Mutagenic, Teratogenic, Reproductive Effects:</b> None known.
<b>9. SPILL &amp; DISPOSAL PROCEDURES</b>

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

**10. PRECAUTIONARY MEASURES**

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

**11. TDG SHIPPING INFORMATION:**

<b>Shipping Name:</b> Not regulated
<b>Class:</b>

**UN No.**

**Packing Group:**

**12. PREPARATION INFORMATION:**

<b>Date Prepared/Reviewed:</b> October 13, 2009	<b>Tel. #</b> (905)-456-9444	<b>Fax. #</b> (905) 456-9447
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.		