



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

**WHMIS: D2B**

**1. PRODUCT IDENTIFICATION:**

<b>PRODUCT NAME:</b> HARDNESS TITRANT <b>MSDS DOCUMENT CODE:</b> TR138099	<b>PRODUCT CODES:</b> TR138060 / TR138100 / TR138140 / TR 138500
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**2. HAZARDOUS INGREDIENTS**

Name	CAS #	% Range	TLV	LD <sub>50</sub> (Oral Rat)	LC <sub>50</sub> (Inh. Rat)
Ethylenediaminetetraacetic Acid	6381-92-6	<0.1	No Data	3030 Mg/Kg	No Data

**3. PHYSICAL DATA:**

<b>Odour and Appearance:</b> Clear, colourless liquid; Odourless.	<b>Odour Threshold:</b> None	<b>Specific Gravity:</b> 1.0	<b>Vapour Pressure:</b> <17 at 20°C	<b>Vapour Density:</b> (Air-1) <1
<b>Evaporation Rate:</b> Same as water	<b>Solubility in Water:</b> Soluble		<b>Boiling Point:</b> 100°C	<b>Freezing Point:</b> 0°C
<b>% Volatile (by wt.):</b> >99	<b>pH (1.0% Sol'n):</b> 9		<b>Density:</b> Not applicable	<b>Coeff. Oil/Water Distr:</b> Not available

**4. FIRE & EXPLOSION DATA:**

<b>Flash Point (method):</b> Non flammable	<b>LEL:</b> Not applicable	<b>UEL:</b> Not applicable	<b>Autoignition Temp.</b> Not available
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**Extinguishing Media:** As appropriate for surrounding materials.

**Hazardous Combustion Products:** Trace amounts of oxides of carbon, sodium and nitrogen, ammonia.

**Special Fire Fighting Procedures:** Wear full protective gear including self contained breathing apparatus.

**Unusual Fire & Explosion Hazards:** None

**5. REACTIVITY DATA:**

**Stability:** Stable

**Conditions to Avoid:** None known

**Incompatibility:** Strong oxidizing agents, acids.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, ammonia.

**6. HEALTH HAZARD DATA:**

<b>Primary Route of Entry:</b>	<b>Eyes:</b> Yes	<b>Skin:</b> Yes	<b>Inhalation:</b> No	<b>Ingestion:</b> Yes
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**Acute Effects:**

**Eyes:** May cause irritation.

**Skin:** Excessive or repeated exposures may cause irritation.

**Ingestion:** May cause gastrointestinal irritation.

**Chronic Effects:** Repeated or prolonged overexposures can cause eye, skin and stomach conditions.

**7. FIRST AID PROCEDURES:**

**Eye Contact:** Flush with running water for at least 15 minutes. Get medical attention if symptoms occur.

**Skin Contact:** Wash thoroughly with soap and water. Remove and launder contaminated clothing. Get medical attention if irritation occurs.

Launder contaminated clothing before reuse.

**Ingestion:** Do not induce vomiting. 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.

**9. SPILL & DISPOSAL PROCEDURES**

**Spill & Leak:** Absorb onto inert absorbent and scoop into disposal container. Flush residual with volumes of water.

**Disposal:** Dispose of in accordance with all Local, Provincial and Federal regulations.

**10. PRECAUTIONARY MEASURES**

**Personal Protective Equipment:**

<b>Gloves:</b> None for normal use	<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.	

**Handling:** Avoid contact with eyes. 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:** Not Regulated

<b>Class:</b>	<b>UN No.</b>	<b>Packing Group:</b>
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**12. PREPARATION INFORMATION:**

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