



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

WHMIS: D2B

1. PRODUCT IDENTIFICATION:

PRODUCT NAME: HARDNESS TITRANT (0.0125N)	PRODUCT CODES: TR137060 / TR137100 / TR137140 /
MSDS DOCUMENT CODE: TR137099	TR137500

2. HAZARDOUS INGREDIENTS

Name	CAS #	% Range	TLV	LD ₅₀ (Oral Rat)	LC ₅₀ (Inh. Rat)
Ethylene Diamine Tetra Acetic Acid	64-02-8	0.1-1.0	No data	3030 Mg/Kg	No Data

3. PHYSICAL DATA:

Odour and Appearance: Clear, colourless liquid; odourless.					
Odour Threshold: None	Specific Gravity: 1.00	Vapour Pressure: 2.3 KPa @20°C		Vapour Density: (Air-1) <1	
Evaporation Rate: Same as water	Solubility in Water: Soluble	Boiling Point: 100°C		Freezing Point: 0 °C	
% Volatile (by wt.): >99	pH (100% Sol'n): 8	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 oxides of carbon, sodium and nitrogen, ammonia.			
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 oxidizing agents, acids.	
Hazardous Decomposition Products: Oxides of carbon and nitrogen, ammonia.	

6. HEALTH HAZARD DATA:

Primary Route of Entry:	Eyes: Yes	Skin: No	Inhalation: No	Ingestion: Yes
Acute Effects:				
Eyes: May cause irritation.				
Ingestion: Swallowing may cause irritation of mouth, throat and esophagus.				
Chronic Effects: No data.				

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: Transfer to suitable container for disposal. Flush remaining material with volumes of water.
Disposal: Dispose of in accordance with all Local, Provincial and Federal regulations.

10. PRECAUTIONARY MEASURES

Personal Protective Equipment:				
Gloves: None for normal use		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. 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		
Class:	UN No.	Packing Group:

12. PREPARATION INFORMATION:

Date Prepared/Reviewed: October 7, 2003	Tel. # (905)-456-9444	Fax. # (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.		