


# MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information		
<b>Manufacturer:</b>	<b>Kel Kem Ltd.</b> 1333 Cornwall Road Oakville, Ontario L6J 7T5 Tel: (905) 829-5888 Fax: (905) 829-3247 24 Hour Emergency Tel: Canutec (613) 996-6666 (Collect)	<b>Product Name:</b> Clear Flame Glass Cleaner  <b>Product Code(s):</b> KK0290 (Imperial brand)  <b>Product Use:</b> Glass Cleaner
<b>Date:</b>	April 1, 2011	
<b>Prepared by:</b>	Gerry van Konynenburg	
<b>WHMIS Classification:</b>	E	

Section 2: Composition/Information on Ingredients				
Ingredient	Percent (Wt. %)	CAS Number	LD50(Oral-rat)	LC50(Inhalation-rat)
Potassium Hydroxide	1 - 5	1310-58-3	273 mg/kg	Not Available
Sodium Meta Silicate Penta Hydrate	3 - 7	6834-92-0	800 mg/kg	Not Available
Nonyl Phenol Ethoxylane (9mols.EO)	7 - 13	68412-54-4	300 mg/kg	Not Available
The ingredients listed above are controlled products as defined in CPR, am. SOR/88-555 or 29 CFR 1910.1200				

Section 3: Hazards Identification	
Severe skin and eye irritant.	
<b>ROUTES OF ENTRY INTO THE BODY (ACUTE EFFECTS):</b>	
<b>Skin contact:</b> Corrosive – causes burns	
<b>Eye contact:</b> Corrosive – causes burns	
<b>Ingestion:</b> May be harmful or fatal if swallowed. Causes severe burns to the alimentary canal.	
<b>Inhalation:</b> Mists are corrosive. Causes burns to respiratory tract.	
<b>WHMIS HAZARD SYMBOL(S):</b>	
	

Section 4: First Aid Measures	
<b>Skin:</b>	Wash thoroughly with water
<b>Eye:</b>	Flush eyes with plenty of water for 15 minutes. Seek medical attention if irritation persists.
<b>Inhalation:</b>	If misted into lungs, seek medical attention.
<b>Ingestion:</b>	Drink 2 or 3 glasses of water to dilute and contact a physician immediately. Induce vomiting only on the advice of a physician or poison control center.

Section 5: Fire Fighting Measures	
Not flammable. Use appropriate media to extinguish source of fire. Wear self-contained breathing apparatus when fire fighting.	
<b>Flash Point:</b>	Not applicable
<b>Flammability Limits:</b>	Lower Explosion Limit - Not applicable Upper Explosion Limit - Not applicable
<b>Autoignition Temperature:</b>	Not applicable
<b>Hazardous Combustion Products:</b>	Carbon monoxide, Carbon Dioxide
<b>Sensitivity to Mechanical Impact:</b>	None
<b>Sensitivity to Static Discharge:</b>	None

**Section 6: Accidental Release Measures**

Absorb with synthetic or natural absorbent and collect for disposal. Flush area with plenty of water. Area of spill may become extremely slippery.

**Section 7: Handling and Storage**

No special procedures, equipment or requirements.

**Section 8: Exposure Controls/Personal Protection**

**Engineering controls:** None required  
**Gloves:** PVC, Neoprene or rubber if skin contact is likely  
**Eyes:** Safety glasses/goggles if eye contact is likely  
**Respiratory:** Normal

**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odour &amp; Appearance</b>	Straw coloured liquid
<b>Odour Threshold (ppm)</b>	Not applicable	<b>Specific Gravity</b>	1.057
<b>Vapour Pressure (MM)</b>	Not Available	<b>Vapour Density (Air=1)</b>	Not Available
<b>Evaporation Rate</b>	Not Available	<b>Boiling Point (C)</b>	100
<b>Freezing Point (C)</b>	Not Available	<b>Solubility in Water (20C)</b>	100% soluble
<b>% Volatile (by weight)</b>	87.6%	<b>PH (as is)</b>	13.0
<b>Coefficient of water/oil dist.</b>	Not Available		

**Section 10: Stability and Reactivity**

<b>Chemical Stability</b>	Yes	<b>Reactivity and under what conditions?</b>	None known
<b>If No, under which conditions?</b>		<b>Hazardous decomposition products</b>	CO, CO2
<b>Incompatibility to other substances</b>	Yes		
<b>If so, which ones?</b>	Oxidizing compounds		

**Section 11: Toxicological Information**

<b>Effects of overexposure:</b>	None known.
<b>Sensitization:</b>	None known.
<b>Carcinogenicity:</b>	No ingredients considered by IARC, NTP or OSHA to be carcinogens
<b>Reproductive Toxicity:</b>	None known.
<b>Teratogenicity:</b>	Not known
<b>Mutagenicity:</b>	Not known
<b>Synergistic Products:</b>	None known.

**Section 12: Ecological Information**

Complete information is not yet available for this product.

**Section 13: Disposal Considerations**

Not established for this product.

**Section 14: Transport Information**

**TDG:** Limited Quantity  
[Corrosive Liquid NOS (Potassium Hydroxide), Class 8, Pkg. Group II, UN1760]

**Section 15: Regulatory Information**

**This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.**

**Section 16: Other Information**

**Notice to the Reader: The information is provided in good faith and is correct to the best of Kel Kem Ltd.'s knowledge as of the date hereof and is designed to assist our customers; however Imperial makes no representation as to its completeness or accuracy. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Imperial disclaims all expressed or implied warranties or representations.**

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