

# MATERIAL SAFETY DATA SHEET

## Section 1: Product and Company Information

**Manufacturer:** Kel Kem Ltd.  
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Pickering, Ontario L1W 3R3  
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**Product Name:** Chimney Creosote Cleaner

**Product Code(s):** KK0294

**Product Use:** Chimney cleaner

**Date:** January 18, 2005

**Prepared by:** Gerry van Konynenburg

## Section 2: Composition/Information on Ingredients

<b>Ingredient</b>	<b>CAS Number</b>	<b>Percent (Wt. %)</b>	<b>LD50(Oral-rat)</b>	<b>LC50(Inhalation-rat)</b>
Manganese Nitrate (50% solution)	10377-66-9	5 - 10	Not available	Not available
Isopropyl Alcohol	67-63-0	10 - 30	5045 mg/kg	16,000 ppm/8-hour
Water	7732-18-5	60 - 100	Not available	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

### Routes of entry:

**Inhalation:** Inhalation of vapours can cause an irritation to the eyes, nose, mucous membranes and respiratory tract. May cause central nervous system depression.

**Eyes:** Severe irritant. May cause permanent eye damage.

**Skin:** Should not cause irritation. Prolonged and repeated contact can cause skin drying which may result in skin irritation and dermatitis.

**Ingestion:** Mild to severe irritation of mucous membranes in mouth & throat. May cause CNS depression. May cause nausea. Do not induce vomiting.

## Section 4: First Aid Measures

**EYES:** Hold eyelids open & flush thoroughly with clean water for at least 20 minutes. Get medical help.

**SKIN:** Remove contaminated clothing immediately and flush skin with water. Wash affected areas with soap and water.

**INGESTION:** Get medical help immediately. Unless unconscious or convulsing, give large amounts of water or milk. DO NOT induce vomiting unless directed by medical personnel.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical help.

## Section 5: Fire Fighting Measures

Not flammable

## Section 6: Accidental Release Measures

Ventilate area of leak or spill. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

## Section 7: Handling and Storage

Keep container tightly closed when not in use. Protect against physical damage. Store in a cool, dry well-ventilated location.

## Section 8: Exposure Controls/Personal Protection

**Engineering controls:** Local mechanical exhaust if used indoors on a continuous basis.

**Gloves:** Chemical resistant

**Eyes:** Chemical safety goggles.

**Respiratory:** Wear a NIOSH/MSHATC 23C or equivalent respirator equipped with organic vapour cartridges if used indoors on a continuous basis.

## Section 9: Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odour &amp; Appearance</b>	
<b>Odour Threshold (ppm)</b>	Not Available	<b>Specific Gravity</b>	1.01
<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>	97
<b>Freezing Point (C)</b>	0	<b>Solubility in Water (20C)</b>	Not Available
<b>% Volatile (by weight)</b>	95	<b>pH</b>	2.0 – 2.5
<b>Coefficient of water/oil distribution</b>	Not available		

## Section 10: Stability and Reactivity

<b>Chemical Stability (Yes or No)</b>	Yes, as prepared	<b>Do not allow to evaporate to dryness.</b>
<b>If No, under which conditions?</b>		
<b>Reactivity (Yes or No)</b>		
<b>Under what conditions?</b>		
<b>Incompatibility to other substances</b>	When or if dry, avoid easily oxidizable substances	
<b>If so, which ones?</b>		
<b>Hazardous decomposition products</b>	Toxic nitrogen oxides ( <i>from dry powders</i> ).	

## Section 11: Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure. Not listed by IARC or ACGIH.

## Section 12: Ecological Information

No information found.

## Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste. Provincial/State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, provincial/state and local requirements.

## Section 14: Transport Information

TDG Classification: Not Regulated.

Special Shipping Instructions: Do not freeze.

**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 Kel Kem Ltd. 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.**

**Kel Kem Ltd. disclaims all expressed or implied warranties or representations.**

**Prepared By: Gerry van Konynenburg  
Preparation Date: January 18, 2005**

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