

# MATERIAL SAFETY DATA SHEET

## Section 1: Product and Company Information

**Manufacturer:** Kel Kem Ltd.  
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**Date:** February 9, 2004  
**Prepared by:** Gerry van Konynenburg  
**WHMIS Classification:** B2, D2B

**Product Name:** Black Stove Polish Liquid  
**Product Code(s):** KK0057 (Kel Kem brand)  
**Product Use:** Stove Polish

## Section 2: Composition/Information on Ingredients

Ingredient	CAS Number	Percent (Wt. %)	LD50(Oral-rat)	LC50(Inhalation-rat)
Naptha	64742-89-8	40 - 70	>8.0 ml/kg	1400 ppm/4hrs
Carbon Black	1333-86-4	1 - 5	Not available	Not available
Carbon	7782-42-5	10 - 20	Not available	Not available
Silica	14808-60-7	1 - 5	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

**Emergency Overview:** Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea and central nervous system depression. When aspirated into the lungs, the liquid can cause severe inflammation of the lungs. Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product. In rare cases, may sensitize the heart muscle causing heart arrhythmia.

### ROUTES OF ENTRY INTO THE BODY

**Skin contact, Eye contact, Inhalation (acute), Inhalation (chronic)**

### EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

**Skin contact:** None expected on short term contact.

**Eye contact:** Mild eye irritant.

**Ingestion:** Gastro-intestinal tract irritation.

**Inhalation:** Mild irritant to respiratory passage.

### EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

**Skin contact:** Repeated and prolonged contact with skin may cause defatting and drying skin.

### WHMIS HAZARD SYMBOL(S):



## Section 4: First Aid Measures

**Skin:** Wash thoroughly with soap and water

**Eye:** Flush eyes with plenty of water for 15 minutes. Seek medical attention if irritation persists..

**Inhalation:** Remove person to fresh air. Contact a physician. Administer artificial respiration or CPR as appropriate.

**Ingestion:** Contact a physician immediately. Do not induce vomiting.

**Notes to physician:** This product contains materials that may cause severe pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage; use endotracheal cuff, if available, to prevent aspiration. Observe patient for respiratory difficulty for aspiration pneumonitis. Administer artificial resuscitation and appropriate chemotherapy if respiration is depressed.

## Section 5: Fire Fighting Measures

Flammable in presence of source of ignition. Use CO<sub>2</sub>, foam, dry chemical or water fog to extinguish fire. Wear self-contained breathing apparatus when fire fighting.

<b>Flash Point:</b>	10 deg C TCC
<b>Flammability Limits:</b>	Lower Explosion Limit - % by volume 1.0 (Naptha) Upper Explosion Limit - % by volume 6.0 (Naptha)
<b>Autoignition Temperature:</b>	Not available.
<b>Hazardous Combustion Products:</b>	Hydrocarbon smoke, Carbon monoxide, Carbon Dioxide
<b>Sensitivity to Mechanical Impact:</b>	None
<b>Sensitivity to Static Discharge:</b>	Yes if solvent vapours are present.

## Section 6: Accidental Release Measures

Absorb with synthetic or natural absorbent and dispose of in a metal container.

## Section 7: Handling and Storage

Handling: Replace container lid tightly when not in use.

Storage: Store in cool, dry area away from sparks and open flames.

## Section 8: Exposure Controls/Personal Protection

**Engineering controls:** Use in well ventilated area.

**Gloves:** Viton or PVA if prolonged skin contact is likely

**Eyes:** Safety glasses/goggles if eye contact is likely

**Respiratory:** Wear organic vapour mask if prolonged use in a non-ventilated area is unavoidable.

## Section 9: Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odour &amp; Appearance</b>	Black, opaque, naptha odour
<b>Odour Threshold (ppm)</b>	Not available	<b>Specific Gravity</b>	0.88
<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>	235 deg C
<b>Freezing Point (C)</b>	Below 0 deg C	<b>Solubility in Water (20C)</b>	Not soluble
<b>% Volatile (by weight)</b>	80%	<b>pH</b>	Not applicable
<b>Coefficient of water/oil distribution</b>	Not available		

## Section 10: Stability and Reactivity

<b>Chemical Stability (Yes or No)</b>	Yes
<b>If No, under which conditions?</b>	
<b>Reactivity (Yes or No)</b>	No under normal conditions
<b>Under what conditions?</b>	
<b>Incompatibility to other substances</b>	Yes
<b>If so, which ones?</b>	Oxidizing agents
<b>Hazardous decomposition products</b>	Burning may produce CO, CO <sub>2</sub> & smoke

## Section 11: Toxicological Information

<b>Exposure Limits:</b>		TWAEV	ACGIH (TLV/TWA)
	Carbon Black	3.5 mg/m <sup>3</sup>	
	Naptha		1370 mg/m <sup>3</sup>

**Effects of overexposure:** Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea and central nervous system depression. When aspirated into the lungs, the liquid can cause severe inflammation of the lungs. Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product. In rare cases, may sensitize the heart muscle causing heart arrhythmia.

**Sensitization:** None known.

**Carcinogenicity:** None known.

**Reproductive Toxicity:** None known.

<b>Teratogenicity:</b>	None known.
<b>Mutagenicity:</b>	None known.
<b>Synergistic Products:</b>	None known.
<b>Other effects:</b>	None known.

### Section 12: Ecological Information

No information is available for this product.

### Section 13: Disposal Considerations

Dispose of in a manner consistent with Federal, Provincial and local laws. Ignitable waste.

### Section 14: Transport Information

**TDG** Transportation: Petroleum Products NOS (Naptha) 1 litre & under Limited Quantity  
Class 3 Packing Group II UN# 1268

### 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.**

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**Prepared By: Gerry van Konynenburg**  
**Preparation Date: February 9, 2004**

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