

MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information

Manufacturer:	Kel Kem Ltd. 1410 Bayly Street, Unit 17 Pickering, Ontario L1W 3R3 Tel: (905) 420-1995 Fax: (905) 420-1997 24 Hour Emergency Tel: Canutec (613) 996-6666 (Collect)	Product Name:	Stove Paint S/B Black
Date:	March 15, 2004	Product Code(s):	KK0197 (Kel Kem brand)
Prepared by:	Gerry van Konynenburg	Product Use:	Aerosolized Paint
WHMIS Classification:	A,B5,D2A,D2B		

Section 2: Composition/Information on Ingredients

%	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES

XYLENE			
5-10	1330-20-7 100 ppm	4.3 g/kg ORAL - RAT	6350 ppm (4 hr) INHAL - RAT
ACETONE			
30-60	67-64-1 750 ppm	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL - RAT
TOLUENE			
5-10	108-88-3 50 ppm	5000 mg/kg ORAL - RAT	8000 ppm (4 hr) INHAL - RAT
PROPYLENE GLYCOL METHYL ETHER ACETATE			
1-5	108-65-6 100	8500 mg/kg ORAL - RAT	>4345 ppm (6 hr) INHAL - RAT
BLACK IRON OXIDE			
1-5	1317-61-9 10 mg/m3	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE			
5-10	75-28-5	NOT APPLICABLE	520,000ppm (2 hr) INHAL - MOUSE
PROPANE			
10-30	74-98-6 1000 ppm	NOT APPLICABLE	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

ROUTE OF ENTRY:

SKIN CONTACT.....MAY CAUSE IRRITATION.

SKIN ABSORPTION.....NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.

EYE CONTACT.....MAY CAUSE IRRITATION.

INHALATION.....INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.

INGESTION.....MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.

EFFECTS OF ACUTE EXPOSURE.....DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.

Section 4: First Aid Measures

EMERGENCY FIRST AID

PROCEDURE.....IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

Section 5: Fire Fighting Measures

AEROSOL FLAME PROJECTION

CLASSIFIED AS:.....> 45 CM.
FLASHBACK.....NONE.
FLAMMABILITY.....EXTREMELY FLAMMABLE.
IF YES, UNDER WHICH.....EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
CONDITIONS ?
EXTINGUISHING MEDIA.....CARBON DIOXIDE, DRY CHEMICAL, FOAM.
SPECIAL PROCEDURES.....WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES.FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARTATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

FLASH POINT (C), TAG CLOSED.....>-18.
CUP
AUTO IGNITION TEMPERATURE (C).....272 - 527.
LOWER FLAMMABLE LIMIT.....1.
(% BY VOLUME)
UPPER FLAMMABLE LIMIT.....15.1.
(% BY VOLUME)
HAZARDOUS COMBUSTION
PRODUCTS.....HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

Section 6: Accidental Release Measures

LEAK/SPILL.....REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. AVOID BREATHING FUMES. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

Section 7: Handling and Storage

HANDLING PROCEDURES AND

EQUIPMENT.....STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.

STORAGE NEEDS.....KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.

Section 8: Exposure Controls/Personal Protection

GLOVES/ TYPE.....WEAR CHEMICAL RESISTANT GLOVES.
RESPIRATORY/TYPE.....IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.

EYE/TYPE.....SAFETY GLASSES.
FOOTWEAR/TYPE.....NOT NORMALLY REQUIRED.
OTHER/TYPE.....NOT REQUIRED.
ENGINEERING CONTROLS.....VENTILATION - LOCAL (MECHANICAL IF USED
INDOORS ON A CONTINUOUS BASIS).

Section 9: Physical and Chemical Properties

PHYSICAL STATE.....AEROSOL.
BOILING POINT (DEG C)(CONC).....57 - 150.
VAPOUR PRESSURE(PSIG)-AEROSOL.....55 - 65.
@ 20 C
VAPOUR DENSITY (AIR=1).....GREATER THAN 1.
(BY WEIGHT)
SOLUBILITY IN WATER.....NOT AVAILABLE.
APPEARANCE.....BLACK.
ODOR.....KETONE.
ODOR THRESHOLD.....NOT AVAILABLE.
SPECIFIC GRAVITY (LIQUID).....0.90-0.94.
SPECIFIC GRAVITY (AEROSOL).....0.76-0.80.
AEROSOL PERCENT VOC (W/W).....41-42.
AEROSOL PERCENT VOLATILE.....84-85.
(BY WEIGHT)
EVAPORATION RATE.....GREATER THAN 1.
n-BUTYL ACETATE = 1
pH.....NOT APPLICABLE.
FREEZING POINT: (C).....NOT AVAILABLE.
COEFFICIENT OF WATER\OIL.....NOT AVAILABLE.
DIST.

Section 10: Stability and Reactivity

CHEMICAL STABILITY:
YES.....UNDER NORMAL CONDITIONS.
NO, WHICH CONDITIONS?.....NOT APPLICABLE.
COMPATABILITY WITH OTHER
SUBSTANCES :
NO, WHICH ONES?.....STRONG OXIDIZING AGENTS.
HAZARDOUS PRODUCTS OF
DECOMPOSITION.....HYDROCARBON FUMES AND SMOKE. CARBON
MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR.
REACTIVITY CONDITIONS?.....NOT APPLICABLE.

Section 11: Toxicological Information

EFFECTS OF CHRONIC EXPOSURE.....SOLVENTS MAY CAUSE DEFATTING DERMATITIS.
EXPOSURE LIMIT OF MATERIAL.....SEE SECTION II.
IRRITANCY OF MATERIAL.....SKIN/EYE IRRITANT.
SENSITIZING CAPABILITY OF.....UNKNOWN.
MATERIAL
CARCINOGENICITY OF MATERIAL.....THE INGREDIENTS OF THIS PRODUCT ARE NOT
LISTED AS CARCINOGENS BY NTP, (NATIONAL
TOXICOLOGY PROGRAM), NOT REGULATED AS
CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY
AND HEALTH ADMINISTRATION), AND HAVE NOT
BEEN EVALUATED BY IARC, (INTERNATIONAL
AGENCY FOR RESEARCH ON CANCER), NOR BY
ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL
INDUSTRIAL HYGIENISTS).

