# **MATERIAL SAFETY DATA SHEET**

# Section 1: Product and Company Information

Manufacturer: Kel Kem Ltd. Product Name: Stove Paint S/B Black

1410 Bayly Street, Unit 17 Pickering, Ontario L1W 3R3

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Canutec (613) 996-6666 (Collect)

Date: March 15, 2004

Prepared by: Gerry van Konynenburg

WHMIS Classification: A,B5,D2A,D2B

**Product Code(s):** KK0197 (Kel Kem brand)

**Aerosolized Paint** 

**Product Use:** 

# Section 2: Composition/Information on Ingredients

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

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 CONTACTMAY CAUSE IRRITATION.
SKIN ABSORPTIONNO DATA AVAILABLE FOR THIS PRODUCT
MIXTURE.
EYE CONTACTMAY CAUSE IRRITATION.
INHALATION
IRRITATION. PROPELLANT IS A SIMPLE
ASPHYXIANT.
INGESTIONMAY CAUSE HEADACHE, NAUSEA, VOMITING AND
WEAKNESS.
EFFECTS OF ACUTE EXPOSUREDIZZINESS, 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 ?

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

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.

### 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) n-BUTYL ACETATE = 1 pH.....NOT APPLICABLE. FREEZING POINT: (C).....NOT AVAILABLE. COEFFICIENT OF WATER\OIL.....NOT AVAILABLE. DIST.

# Section 10: Stability and Reactivity

#### 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).

REPRODUCTIVE EFFECTS.

TOLUENE - PROLONGED AND REPEATED EXPOSURE
OF PREGNANT ANIMALS TO TOLUENE (LEVELS
GREATER THAN APPROXIMATELY 1500 ppm) HAS
BEEN REPORTED TO CAUSE ADVERSE FETAL
DEVELOPMENTAL EFFECTS.XYLENE - HIGH
EXPOSURES TO XYLENE IN SOME ANIMAL
STUDIES, OFTEN AT LEVELS TOXIC TO THE
MOTHER, AFFECTED EMBRYO/FETAL DEVELOPMENT.
THE SIGNIFICANCE OF THIS FINDING TO HUMANS
IS NOT KNOWN.

TERATOGENICITY.

NO INFORMATION IS AVAILABLE AND NO ADVERSE
TERATOGENIC EFFECTS ARE ANTICIPATED.

MUTAGENICITY.

NO INFORMATION IS AVAILABLE AND NO ADVERSE
MUTAGENIC EFFECTS ARE ANTICIPATED.

SYNERGISTIC MATERIALS.

NONE KNOWN.

### Section 12: Ecological Information

NO INFORMATION IS AVAILABLE FOR THIS PRODUCT.

#### Section 13: Disposal Considerations

WASTE DISPOSAL............DO NOT PUNCTURE OR INCINERATE CONTAINERS,

EVEN WHEN EMPTY.DISPOSE OF IN ACCORDANCE

WITH LOCAL, PROVINCIAL AND FEDERAL

REGULATIONS.

### Section 14: Transport Information

T.D.G. CLASSIFICATION......CONSUMER COMMODITY.

AEROSOLS UN 1950 CLASS 2.1

## 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.

WHMIS CLASSIFICATION......A, B5, D2A, D2B.

CNFC SECTION 3.3.5....LEVEL 2.

NFPA CODE 30B....LEVEL 2.

HMIS RATING FLAMMABILITY....4 SEVERE HAZARD.

HMIS RATING HEALTH.....2 MODERATE HAZARD.

HMIS RATING REACTIVITY.....0 MINIMAL HAZARD.

#### 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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Page 4 of 4