

MATERIAL SAFETY DATA SHEET

SECTION 1 - MATERIAL IDENTIFICATION AND USE

Distributor: **Kel Kem Ltd.** Product Name: Oil Burner Tune-Up
 1410 Bayly Street, Unit 17
 Pickering, Ontario L1W 3R3 Product Code(s): KK0185 & KK0218
 Tel: (905) 420-1995
 Fax: (905) 420-1997 Product Use: Solvent
 24 Hour Emergency Tel:
 Canutec (613) 996-6666 (Collect)
 Date: February 1, 2005
 Prepared by: Gerry van Konynenburg

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

| Ingredient | CAS Number | Percent (Wt. %) | LD50(Oral-rat) | Exposure Limits (ACGIH TLV) |
|-------------------|------------|-----------------|----------------|-----------------------------|
| Mineral Spirits | 8052-41-3 | 15 - 40 | 4.5 – 25ml/Kg | 100 ppm |
| Isopropyl Alcohol | 67-63-0 | 30 - 60 | 4720 mg/Kg | 400 ppm |

SECTION III - PHYSICAL DATA FOR MATERIAL

| | | |
|--------------------------|---|--------------------------|
| Physical State Liquid | Odour and Appearance Light Brown colour, mild alcohol odour | Specific Gravity 0.8 |
| Evaporation Rate N/AV | Boiling Point (°C) N/AV | % Volatile (by vol.) >95 |
| Freezing Point (°C) N/AP | Solubility in Water (20°C) Insoluble | Density (g/ml) 0.8 |
| pH N/AP | Coefficient of Water/Oil Distribution N/AV | |

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability (If yes, under which conditions:) Yes, Under fire conditions.
 Means of Extinction CO₂, foam, water fog, dry chemical (preferred)
 Special Procedures Use water spray to cool fire-exposed surfaces and to protect personnel.
 Flashpoint (°C) and Method 44 (TCC) UEL (% By Vol.) 12.0 LEL (% By Vol.) 2.0
 Auto ignition temp. (°C) N/AV TDG Flammability Classification Isopropyl Alcohol Mixture, Class 3, UN1219.
 Hazardous Combustion Products CO, CO₂
 Explosion Data - Sensitivity to Chemical Impact N/AV Rate of Burning N/AV
 Explosive Power N/AV
 Sensitivity to Static Discharge N/AV

SECTION V - REACTIVITY DATA

Chemical Stability Yes.
 Incompatibility to Other Substances Yes, Strong oxidizing agents
 Reactivity and Under What Conditions? Hazardous polymerization will not occur.
 Hazardous Decomposition Products CO (Carbon Monoxide), CO₂ (Carbon Dioxide)

SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Routes Of Entry

Skin Contact: Yes

Skin Absorption : No

Eye Contact : Yes

Inhalation Acute : Yes

Inhalation Chronic: No

Ingestion: Yes

Effects Of Acute Exposure To Product: High vapour concentrations are anesthetic. Vapour irritates eyes, nose, throat and skin. **Ingestion:** burning sensation in mouth and throat, may cause CNS depression and respiratory tract irritation.

Effects Of Chronic Exposure To Product: N/AV

Exposure Limits Of Product: N/AV

Irritancy Of Product: N/AV

Sensitization To Product: N/AV

Synergistic Reproductive Effects Materials: N/AV

Carcinogenicity: None known

Teratogenicity: None known

Mutagenicity: None known

No adverse effects anticipated.

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment

Gloves: Chemical Resistant Gloves **Respiratory:** Air Respirator, if required **Eye:** Chemical Splash Goggles

Footwear: N/AP

Clothing: N/AP

Other:

Engineering Controls: Adequate ventilation (either local or general) should be provided to maintain the concentration below threshold limit.

Leak And Spill Procedure Prevent from entering sewers or water courses. Recover free liquid or soak up with sand, cotton waste or other absorbent.

Waste Disposal Controlled incineration or use waste disposal service. Ensure conformity with local regulations.

Handling Procedures And Equipment

Storage Requirements Keep container closed when not in use. Store in a cool place with adequate ventilation. Keep from freezing.

Special Shipping Information: Keep from freezing.

SECTION VIII - FIRST AID MEASURES

Skin Flush with running water and wash with soap and water.

Eye Flush eyes with plenty of water for at least 15 minutes. Call physician.

Inhalation Remove to fresh air. Apply artificial respiration if breathing is laboured or has stopped. Call physician.

Ingestion Dilute with 1 – 2 glasses of water. Do not induce vomiting. Get medical help immediately.

SECTION IX - PREPARATION DATE OF M.S.D.S.

Prepared By: Gerry van Konynenburg **Preparation Date:** February 1, 2005 **Revision Date:**

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