

MATERIAL SAFETY DATA SHEET

Flammability	Physical Hazards
Health	Personal Protection

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Lemon Oil
Manufacturer Crown Chemical Products Inc. **Supplier's Name**
Street Address 6125 Netherhart Road **Supplier's Address**
Mississauga Ontario
L5T 1G5
Emergency Tel. (905) 564-0904
Chemical Name **Chemical Family**
Molecular Weight **Material Use**

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U. N. Numbers	Exposure Limits	LD ₅₀ /LC ₅₀ Specify Species and Route
Petroleum Distillates	50	64742-48-9	TLV 300ppm	

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Liquid **Odour and Appearance** Lemon scented, straw colour
Specific Gravity .85 **Evaporation Rate** N/AP **Boiling Point (°C)** 203-252
Freezing Point (°C) N/AP **Solubility in Water (20°C)** no **% Volatile (by volume)** 50
pH N/AP **Density (g/ml)** .85 **Coefficient of Water/Oil Distribution** N/AP

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability (If yes, under which conditions:) Under fire conditions.
Means of Extinction Dry chemical, foam or fog nozzle water spray. Use water spray to cool fire exposed surfaces.
Special Procedures Respirators required. if possible to do safely shut off fuel at source.
Flashpoint (°C) and Method 70 TCC **UEL (% By Vol.)** 7.0 **LEL (% By Vol.)** 0.6
Auto Ignition Temp. (°C) N/AV **TDG Flammability Classification** Not regulated
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? No hazardous polymerization products.
Hazardous Decomposition Products CO, CO₂

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SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route Of Entry Skin Contact Skin Absorption Eye Contact Inhalation Acute Inhalation Chronic Ingestion

Effects Of Acute Vapours have a low to moderate toxicity. Irritating to eyes, skin and lungs. May cause dermatitis,

Exposure To Product vomiting. Vapours are anesthetic. ingestion - low order of toxicity.

Effects Of Chronic None known

Exposure To Product

Irritancy Of Product N/AV

Exposure Limits Of Product N/AV

Sensitization To Product N/AV

Synergistic Materials N/AV

Carcinogenicity **Reproductive Effects** **Teratogenicity** **Mutagenicity**

No Known Systemic Effects

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment

Gloves not generally req'd **Respiratory** Not generally required **Eye** Safety glasses

Footwear not generally req'd **Clothing** **Other**

Engineering Controls Adequate ventilation should be provided.

Leak And Spill Procedure Remove all sources of ignition. prevent from entering sewers or waterways. Clean up pump up.

Waste Disposal

Handling Procedures And Equipment Avoid frequent and prolonged contact.

Storage Requirements Keep containers closed. Do not store near open flame.

Special Shipping Information Ground all containers when transferring.

SECTION VIII - FIRST AID MEASURES

Skin Wash with soap and water.

Eye Flush with water for at least 15 minutes. seek medical attention if irritation persists.

Inhalation Remove immediately from contaminated area. Apply artificial respiration if breathing has stopped. call a physician.

Ingestion Due to possibility of aspiration into the lungs, do not induce vomiting, keep at rest and call a physician.

General Advise

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

Additional Information/Comments The information herein is given in good faith but no warranty, expressed or implied, is made.

Sources Used

Prepared By: Crown Chemical Products Inc. **Phone Number** (905) 564-0904 **Date** February 14, 2013