

# **MATERIAL SAFETY DATA SHEET**

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## **PRODUCT NAME: High Oleic Safflower Oil**

### **CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION:**

DATE: January 4, 2012

SUPPLIER: LEE H. SMITH AND COMPANY  
38 BENEDICT CRESCENT  
BASKING RIDGE, NJ 07920 USA  
908-781-7801 PHONE  
908-781-7802 FAX

EMERGENCY: CHEMTREC (800) 424-9300

### **COMPOSITION/INFORMATION ON INGREDIENTS**

#### **HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Vegetable Oil (Edible Oleic Safflower Oil) OSHA 15 mg/m3

OSHA PEL ACGIH TL V

NFPA Hazard Classification  
Health (Blue) 0  
Flammability (Red) 1  
Reactivity (Yellow) 0

#### **PHYSICAL/CHEMICAL CHARACTERISTICS**

APPEARANCE:

Yellow liquid

SOLUBILITY:

Not soluble in water

Liquid Surface Tension est. 25 Dyres/cm @20°C

N/A

BOILING POINT,

N/A

MELTING POINT, ° CENTIGRADE

>620 °F

FLASH POINT, ° F

0.92

DENSITY, g/ml@75 °

N/A

VAPOR PRESSURE (mm of Hg)

5.37

VISCOSITY, mPa.s@54°

(Butyl Acetate = 1)

EVAPORATION RATE:

N/A

VAPOR DENSITY:

N/A

FLAMMABLE LIMIT, %

0.919 - 0.924 @ 25°

SPECIFIC GRAVITY (H2O = 1)

### **FIRST AID MEASURES**

INGESTION: FDA Approved for human consumption.  
EYE CONTACT: Flush with water for at least 15 minutes  
SKIN CONTACT: No significant reaction expected  
  
INHALATION: Under mist conditions; no short-term inhalation limits

### **FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam,  
  
SPECIAL FIRE FIGHTING PROCEDURES: Class B Fire, Application of water to burning oil can cause splattering, oil will float on water.  
  
EXPLOSION HAZARDS: None. Possible risk of auto ignition/spontaneous combustion under high temperature, closed conditions if material is absorbed on various fiber material and oxygen is present.

### **HANDLING AND STORAGE**

HANDLING: No specific hazards  
SOILED RAGS: and absorbent materials should not be kept under high temperature, closed conditions in the presence of oxygen.  
  
IF SPILLED: No specific hazards, material is non-hazardous unless mists form and exceed 15mg/m<sup>3</sup>

### **EXPOSURE CONTROL/PERSONAL PROTECTION**

PERSONAL PROTECTIVE EQUIPMENT:  
HAND/SKIN PROTECTION: N/A  
EYE PROTECTION: Wear approved safety goggles and face shield.  
  
EXPOSURE LIMIT: Not applicable  
  
INDUSTRIAL HYGIENE: N/A

### **STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Avoid direct fire.  
DECOMPOSITION PRODUCTS: None known if used for its intended purpose.  
MATERIALS TO BE AVOIDED: None known if used for its intended purpose.

## **DISPOSAL INFORMATION**

Disposal method in accordance with all applicable national environment laws and regulations.

## **TOXICOLOGICAL INFORMATION**

CARCINOGENICITY:	None
REPRODUCTIVE EFFECTS:	No harmful effects expected
EFFECT OF OVER-EXPOSURE:	No harmful effects expected
CHRONIC EFFECTS:	No harmful effects expected
TARGET ORGANS:	Not Applicable

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No special requirements.