

Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, TX 75501
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Orange Oil

DATE ISSUED: 01/18/00

SECTION I IDENTIFICATION

Product Name: Orange Oil

CAS No.: 8008-57-9

FEMA No: 2825

Emergency Telephone Number: 1-800-424-9300

SECTION II HAZARDOUS COMPONENTS

Contains: SARA Title III – This product does not contain any Toxic Chemicals subject to the reporting requirements of Section 313 40 CFR Part 372.

HMIS Rating

Health 1
Fire 2
Reactivity 0

4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Least

SECTION III PHYSICAL CHARACTERISTICS

Boiling Point: NF

% Volatiles: NF

Vapor Density: NF

Specific Gravity @ 25°C: 0.842 – 0.846

Melting Point: NF

Evaporation Rate (Butyl Acetate = 1): NA

Solubility in Water: Almost insoluble.

Flash Point: 115° F

Appearance: Yellow to deep orange liquid with a characteristic orange taste and odor.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Extinguishing Media: Foam, dry chemical, & CO₂

Special Fire Fighting Procedures: NF

Unusual Fire & Explosion Hazards: NF

DOT Hazard Classification: Combustible

Hazard Combustion Products: Smoke, CO and/or CO₂

Orange Oil-----
SECTION V**HEALTH HAZARD DATA**
-----**Threshold Limit Value (ACGIH TLV):** NF **Threshold Limit Value (OSHA PEL):** NF**Carcinogenicity: NTP Monograph:** NF **IARC Monograph:** NF**Acute Toxicity Data****Oral LD50:** >5 g/kg (rat)**Inhalation LD50:** NF**Dermal LD50:** >5 g/kg (Rabbit)**Health Hazards (Acute & Chronic)****Ingestion:** NF**Inhalation:** NF**Skin Contact:** Moderate irritation 500 gr., 24 hours covered (rabbit)**Irritation (skin):** NF**Irritation (eye):** NF**Other Effects****Ingestion:** Liquid may be irritating to throat and mucous membranes**Inhalation:** Vapors may be irritating to mucous membranes.**Skin Contact:** Liquid may be irritating to skin.**Eye Contact:** Liquid may be irritating to eyes.-----
SECTION VI**EMERGENCY FIRST AID PROCEDURES**
-----**Eye Contact:** Flush immediately with cold clean water for at least 15 minutes. Contact a physician immediately.**Skin Contact:** The affected area should be thoroughly washed with soap and water. Flush with large quantities of water. If irritation persists, contact a physician.**Inhalation:** Remove to fresh air and contact a physician if necessary.**Ingestion:** Administer water or milk to dilute. Contact a physician or local poison control center immediately.

Orange Oil-----
SECTION VII REACTIVITY DATA

This material presents no significant reactivity hazard. Hazardous polymerization will not occur and it will not react violently with water. Contact with highly reactive chemical oxidants should be avoided. If burned this product will produce CO and/or CO₂.

SECTION VIII PERSONAL PROTECTION

Eyes: The use of goggles or a face shield is recommended.

Respiratory: Respiratory protection is normally not required in well ventilated areas however, NIOSH approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

Other Protective Equipment: Chemical resistant gloves are recommended.

Ventilation: Ventilation meeting ACGIH standards should be employed.

Work/Hygienic Practices: Use good, personal hygienic practices. Limit exposure to product whenever possible. Wash after any contact. Thoroughly wash any contaminated clothing or shoes before reuse.

SECTION IX SPILL, LEAK & WASTE DISPOSAL PROCEDURES

Remove any sources of flame or sparks. If in a confined area NIOSH approved respiratory protection may be required. Absorb spills on vermiculite or other suitable absorbent material and remove to an approved disposal container. Dispose of in accordance with current laws and regulations.

SECTION X STORAGE AND HANDLING

Store in full tight containers in a cool dry place, away from light.

The information contained herein is based on data considered accurate and reliable: Nevertheless, you should perform your own investigation and independent verification. No warranty is expressed or implied regarding the accuracy or correctness of this data. Since the use of this information and the conditions of use of product are not within the control of Humco Holding Group, Inc. it is the user's obligation to determine the condition of safe use of the product.