

Material Safety Data Sheet

Revision: 06/08/2005



Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS)

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME:
Safflower Oil

PRODUCT CODE:
21310

EEC NUMBER:
232-276-5

SUPPLIER:

USB Corporation, 26111 Miles Road, Cleveland, Ohio 44128 Phone: (216) 765-5000
Please visit our website at www.usbweb.com for contact information on USB product distributors within your area.

Emergency Contact:

Chemtrec (800) 424-9300
Outside USA & Canada 703 527 3887

COMPOSITION/

HAZARDOUS COMPONENTS

HAZARD

CAS NO.

%WT

TLV

CHIP R & S Phrases

Safflower Oil

8001-23-8

~98%

ACGIH TLV-TWA (oil mist): 10 mg/m³ (total particulate).

R:36/37/38 Irritating to eyes, respiratory system and skin.
S:26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S:36/37 Wear suitable protective clothing and gloves.

HAZARDS IDENTIFICATION

CHIP

Irritant

HCS

Irritant

FIRST-AID MEASURES

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

FIRE-FIGHTING INFORMATION

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. DO NOT USE WATER - may spread fire by dispersing oil. Water may be used to keep containers cool. Emits toxic fumes under fire conditions.

Flash Point = >550°F (Closed Cup).

ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Spills of this material are very slippery. Collect and place in a suitable waste container. As with all unsaturated fats and oils, some porous materials such as rags, paper, insulation or clay when wetted with this product may undergo spontaneous combustion. Keep such wetted materials well ventilated to prevent heat build-up. Avoid contact of material with skin or eyes. Use adequate ventilation.

HANDLING AND STORAGE

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Avoid prolonged exposure to air or moisture. Store ambient away from incompatible materials.

PERSONAL PROTECTION

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash. HMIS Ratings: H=0 F=1 R=0.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow, oily liquid

Vapor Pressure: No data available

Solubility (Water): Insoluble

Percent Volatile: No data available

Chemical Formula: No data available

Boiling Point: No data available

Vapor Density: No data available

Specific Gravity: 0.9

Evaporation Rate: No data available

Melting Point: No data available

STABILITY AND REACTIVITY

Product is stable. Thickens and becomes rancid on prolonged exposure to air. Hazardous decomposition products include oxides of carbon. Incompatible with strong oxidizing agents and strong acids. Hazardous polymerization will not occur.

TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE:

EYES: Contact may cause eye irritation.

SKIN: Contact may cause skin irritation and/or sensitive individuals may experience dermatitis.

INHALATION: Material may be irritating to mucous membranes and upper respiratory tract.

INGESTION: May cause irritation to the mouth, throat and gastrointestinal tract with nausea, vomiting and diarrhea.

ADDITIONAL INFORMATION:

May be harmful by inhalation, ingestion or skin absorption.

Irritation, tumorigenic and toxicity data listed in RTECS under VN2230000.

Only select RTECS information is provided here. Please see actual RTECS entry for complete information.

Irritation data: Skin Human 300 mg/3D (Intermittent) = Mild (1977). Eye Rabbit 100 mg/24H = Mild (1985). Toxicity data: Intraperitoneal Mouse > 50 gm/kg. Details of toxic effects not reported other than lethal dose value.

Tumorigenic data: neoplastic by RTECS criteria (1994).

Definition(s): RTECS = Registry of Toxic Effects of Chemical Substances.

ACGIH = American Conference of Governmental Industrial Hygienists.

ECOLOGICAL INFORMATION

No information available.

DISPOSAL CONSIDERATIONS

Dispose of material in accordance with applicable local, state, and federal regulations.

TRANSPORTATION INFORMATION

US DOT / IATA: No applicable information.

REGULATORY INFORMATION

RCRA - No applicable information.

SARA 302 - This material does not have an RQ or TPO.

SARA 313 - This material is not reportable under 313.

EPA TSCA Section 8(b) - Chemical Inventory.

Exposure Limits - ACGIH TLV-TWA (oil mist): 10 mg/m³ (total particulate).

California Proposition 65 - No applicable information.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.