



# MATERIAL SAFETY DATA SHEET HELICHRYSUM OIL

# MSDS

## 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** HELICHRYSUM OIL  
**Product Use:** Personal Care Formulations  
**Company Name:** Suyash Ayurveda  
**Company Address:** Sachin GIDC, Surat , Gujarat, INDIA  
**Date Issued:** 11/04/2009  
**Emergency Telephone Number:** +91 9376012345

## 2. COMPOSITION/INGREDIENT INFORMATION

**Type of Product:** Essential Oil  
Natural Complex Substance (100% Pure and Natural)

**Composition:**  
Steam distilled essential oil of Helichrysum italicum  
100% by weight

**Latin Name:** Helichrysum italicum G. Don

**Hazardous Components:**

- Alpha pinene: CAS #: 80-56-8, N, Xn, R43, R50/53, R65 <7%
- Alpha terpineol: CAS #: 98-55-5, Xi, R38, < 7%
- D-Limonene: CAS #: 5989-27-5, N, Xi, R10, R38, R43, R50/53, <7%
- Nerol: CAS #: 106-25-2, Xi, R38, <5%
- Cineol 1,8 (Eucalyptol): CAS #: 470-82-6, R10, <3%
- Gamma Terpinene: CAS #: 99-85-4, Xn, R65, < 3%
- Linalol: CAS #: 78-70-6, Xi, R38, < 3%
- Beta Pinene: CAS #: 127-91-3, N, Xn, R43, R50/53, R65, < 2%

**Allergens (according to Cosmetic Directive 2003/15/EC):** D-Limonene (<7%), Linalol (<3%)

**Substances with Limit Values for Professional Exposure:** Not regulated

**Toxicological Data:** LD50 Oral [Rat]: >5,000 mg/kg  
LD50 Dermal [Rabbit]: > 3,000 mg/kg

**CAS TSCA #:** 8023-95-8  
**CAS EINECS #:** 90045-56-0  
**EINECS (EC) #:** 289-918-2  
**CoE #:** 225n

## 3. HAZARDS IDENTIFICATION

**Main Hazards:**

- **Xn: Harmful**
- **N: Dangerous for Environment**

**Risks to Human Health and Environment:**

- **R10: Flammable**
- **R43: May Cause Sensitization by Skin Contact**
- **R51/53: Toxic to Aquatic Organisms, May Cause Long-Term Adverse Effects in the Aquatic Environment**
- **R65: Harmful: May Cause Lung Damage if Swallowed**

**4. FIRST AID MEASURES**

<b>Eyes:</b>	Remove lenses if applicable. Flush with plenty of vegetable oil holding lids apart. Get medical attention if irritation persists or if a skin lesion is visible.
<b>Skin:</b>	Remove contaminated clothing. Thoroughly wash the affected area with soap and water. Flush with large quantities of water. Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists.
<b>Ingestion:</b>	Rinse mouth with water. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention or contact local poison control center immediately.
<b>Inhalation:</b>	Remove to fresh air. Seek medical attention if necessary.  <b>Serious Inhalation:</b> Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
<b>Medical Conditions Generally Aggravated by Exposure:</b>	No information

**5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	>53° C
<b>Flammable Limits</b>	<b>LEL:</b> Not Established <b>UEL:</b> Not Established
<b>Auto Ignition Temperature:</b>	No information
<b>Hazardous Combustion Products:</b>	CO <sub>2</sub> , CO, irritating smoke and unidentified organic compounds may be formed during combustion.
<b>Extinguishing Media:</b>	<ul style="list-style-type: none"><li>• Dry Chemical</li><li>• Carbon Dioxide</li><li>• Foam</li></ul>
<b>Special Firefighting Procedures:</b>	<b>Note:</b> Do not use water spray except to cool containers <ul style="list-style-type: none"><li>• Wear positive pressure, self contained breathing apparatus.</li><li>• Wear protective clothing to prevent contact with skin and eyes.</li><li>• Remove containers from fire area.</li><li>• Spray extinguishing media directly into the base of the flames.</li><li>• Water is unsuitable for use on burning materials but may be used to cool containers exposed to heat.</li></ul>
<b>Unusual Fire &amp; Explosion Hazards:</b>	None known

**6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**

<b>Personal Protection:</b>	<ul style="list-style-type: none"><li>• Chemical splash goggles should be worn.</li><li>• If in a confined area, a certified/approved vapor respirator should be used.</li><li>• Remove individuals if they do not have respiratory/dust protection.</li><li>• Wear protective clothing and chemical resistant gloves.</li></ul>
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**Environmental Protection:**

Notify authorities if large amounts of product enters sewer.

**Clean Up:**

- Remove any source of flame or sparks.
- Ventilate area
- Prevent liquid from entering the sewers.
- Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up.
- Dispose of materials used to absorb spill in accordance with regulations.
- Wash area with soap and water.

**Note:** Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product

## 7. HANDLING AND STORAGE

**Handling****Safe Handling:**

- Wear safety glasses and chemical resistant gloves.
- Keep away from oxidizing agents, excessive heat, light and sources of ignition.
- During the incorporation of the product, it must be held with relatively low temperatures. In the event of need for rise in temperature, it must be limited to as short a time as possible. Do no inhale hot vapors.

**Storage****Requirements for Storage Areas and Containers:**

- Store in a cool, dry location, in a sealed container in a well ventilated area away from sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:**

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors to a minimum.
- Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection****Eye:**

Chemical splash goggles or face shield should be worn.

**Skin/Body:**

Lab coats, boots and chemical resistant gloves should be worn.

**Respiratory:**

Use adequate ventilation or NIOSH-approved respiratory devices if vapor concentration is high.

**Ventilation:**

Handle in well ventilated areas. If necessary, install ventilation at the point of emission.

**Other:**

Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

**Work/Hygiene Practice:**

Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:**

Liquid

**Color:**

Clear, pale green yellow to orange or green

**Odor:**

Characteristic, aromatic

**Density:**

0.880 to 0.920

**Refractive Index @ 20°C:**

1.460-1.475

**Optical Rotation @ 20°C:**

-20 ° - +10 °

**Viscosity:**

Not Available

**Auto Ignition Temperature:**

Not Available

<b>Flash Point:</b>	>53° C
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	N/A
<b>Solubility in Water:</b>	Insoluble

#### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of use
<b>Conditions to Avoid:</b>	Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.
<b>Incompatibility (Materials to Avoid):</b>	P.V.C.
<b>Hazardous Decomposition or Byproducts:</b>	No decomposition under normal use.
<b>Hazardous Polymerization:</b>	Will Not Occur
<b>Shelf Life:</b>	3 Years

#### 11. TOXICOLOGICAL INFORMATION

<b>Threshold Limit Value (ACGIH TLV):</b>	None established
<b>Threshold Limit Value (OSHA PEL):</b>	None established
<b>Carcinogenicity:</b>	NTP Monograph: None established IARC Monograph: None established
<b>Acute Toxicity Data:</b>	<b>Oral LD50:</b> > 5000 mg/kg [Rat] <b>Dermal LD50:</b> > 3000 mg/kg [Rabbit] <b>Inhalation LC50:</b> None established
<b>Health Hazards (Acute and Chronic):</b>	Ingestion of large quantities: Hazardous Inhalation: Hazardous Skin Contact: Liquid may be irritating Eye Contact: Liquid may be irritating
<b>Other Effects:</b>	None established

#### 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	Low mobility in the soil
<b>Aquatic Toxicity:</b>	Due to the presence of limonene: R50/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
<b>Bioaccumulation Potential:</b>	No results to our knowledge
<b>Precautions:</b>	Avoid direct discharges to the natural environment (waters surface, sewage or underground waters)

#### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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#### 14. TRANSPORT INFORMATION

**Transport Classification:**  
(according to international regulations)

Land ADR/RID:  
Class: 3  
UN #: 1169  
Packing Group III  
Shipping Name: Liquid Aromatic Extracts

Maritime IMDG:  
Class: 3  
UN #: 1169  
Packing Group III  
Shipping Name: Liquid Aromatic Extracts  
Marine Pollutant: Yes

Air ICAO-TI and IATA-DGR:  
Class: 3  
UN #: 1169  
Packing Group III  
Shipping Name: Liquid Aromatic Extracts

**Customs Rate Code:** 3301 29 41 00

#### 15. REGULATORY INFORMATION

**EC Labeling:**

Xn: Harmful  
N: Dangerous for environment

R10: Flammable  
R43: May cause sensitization by skin contact  
R51/53 - Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
R65 - May cause lung damage if swallowed

S24: Avoid contact with skin  
S37: Wear suitable gloves  
S61: Avoid release to the environment. Refer to special instructions/safety data sheet.  
S62: If swallowed, do not induce vomiting: seek medical attention immediately.

#### 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.