

## MATERIAL SAFETY DATA SHEET

# CALENDULA OIL

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** CALENDULA OIL  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 1/1/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:**  
Fatty acid extract from calendula blossoms. The fatty oil used for extraction is soy oil.  
**Hazardous Components:** None  
**CAS #:**

### 3. HAZARDS IDENTIFICATION

Non-hazardous according to the criteria of the Dangerous Substances Regulations.

#### Routes of Entry

**Eye Contact:** No known hazard  
**Skin Contact:** No known hazard  
**Ingestion:** No known hazard  
**Inhalation:** No known hazard

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
**Skin:** Wash with soap and water- get medical attention if irritation occurs.  
**Ingestion:** N/A  
**Inhalation:** N/A  
**Medical Conditions Generally Aggravated by Exposure:** None

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Dry Chemical, Carbon Dioxide, Foam  
**Unsuitable Extinguishing Media:** Water  
**Special Firefighting Procedures:** Limit the spread of oil. Treat as an oil (edible fat) fire. Use air supplied equipment for fighting interior fires.  
**Unusual Fire & Explosion Hazards:** Not established

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

<b>Personal Protection:</b>	N/A
<b>Environmental Protection:</b>	N/A
<b>Methods for Cleaning Up:</b>	Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water. Area may be slippery; take precautions.

## 7. HANDLING AND STORAGE

### Handling

<b>Safe Handling:</b>	Keep away from oxidizing agents, excessive heat and sources of ignition.
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### Storage

<b>Requirements for Storage Areas and Containers:</b>	Store in a cool, dry location, in a sealed container in a well ventilated area.
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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Eye:</b>	Not required but safety glasses may be worn.
<b>Skin/Body:</b>	Not required but lab coats and gloves may be worn.
<b>Respiratory:</b>	Not needed under normal conditions of use.
<b>Ventilation:</b>	Handle in well ventilated areas.
<b>Other:</b>	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
<b>Work/Hygiene Practice:</b>	Normal work and hygiene practices for handling non-hazardous liquid material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid, oily
<b>Color:</b>	Clear, reddish-yellow
<b>Odor:</b>	Characteristic, aromatic
<b>Density 20C:</b>	0.918- 0.922 g/cm <sup>3</sup> DAB 10
<b>Acid Value: (% oleic)</b>	Not available
<b>Vapor Pressure (mm Hg.):</b>	N/A
<b>Vapor Density (AIR = 1):</b>	N/A
<b>Flash Point:</b>	Approx. 320°C DIN 51758(Pensky-Martens)
<b>Boiling Point:</b>	N/A
<b>pH:</b>	N/A
<b>Solubility in Water:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Incompatibility (Materials to Avoid):</b>	Avoid strong oxidizers
<b>Hazardous Decomposition or Byproducts:</b>	When exposed to fire or excessive heat, the triglycerides contained in this product may form acrolein.
<b>Conditions to Avoid:</b>	None
<b>Hazardous Polymerization:</b>	Will Not Occur

## 11. TOXICOLOGICAL INFORMATION

<b>Signs and Symptoms of Exposure:</b>	None
<b>Acute oral toxicity:</b>	LD50 Oral:>20 ml/kg animal weight (rat): Non Toxic
<b>Medical Conditions Generally Aggravated by Exposure:</b>	None
<b>Irritancy:</b>	Skin: An O/W cream containing 10% Calendula Oil was applied to 50 volunteers for 48 hours in a patch test. The score concerning erythema, fissures and scaling was always zero. Calendula Oil can be classified as harmless as regards the possibility of skin irritation.  Eyes: Calendula Oil has undergone the Draize test. There is no objection to the application of the Calendula Oil in the vicinity of the eyes.
<b>Sensitization:</b>	Sensitization test/ guinea -pig/Buehler: non-sensitizing.

## 12. ECOLOGICAL INFORMATION

<b>Ecological Information:</b>	No ecological hazards are associated with this product.
<b>Biodegradability:</b>	Calendula Oil, has a herbal extract based on soya oil, is non-toxic and easily biodegradable.

## 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

<b>DOT Classification:</b>	Not regulated
<b>Class/Division:</b>	Not restricted
<b>Proper Shipping Name:</b>	NA
<b>Label:</b>	None
<b>Packing Group:</b>	NA
<b>ID Number:</b>	NA
<b>Hazard:</b>	NA

## 15. REGULATORY INFORMATION

<b>Labeling according to the Dangerous Substances regulations/EC Directive Code letter and hazard:</b>	Non-hazardous according to the criteria of the above directive. National regulations
<b>Water pollution hazard class:</b>	Product presents no water pollution hazard (self-classification).

## 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.  
This product is not considered hazardous.

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

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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.