

## MATERIAL SAFETY DATA SHEET

# JOJOBA ESTERS, 20, 60

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** JOJOBA ESTERS, 20, 60  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 6/1/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Chemical Identity:** Jojoba Wax Esters (average Molecular Weight: 610)  
**Composition:** Pure 100% Jojoba Oil  
**Hazardous Components:** None  
**Exposure Limits:** N/A  
**CAS #:** 61789-91-1

### 3. HAZARDS IDENTIFICATION

**Routes of Entry:**

- Eyes
- Skin
- Ingestion
- Inhalation

**Eye Contact:** Slight Irritant  
**Skin Contact:** Unlikely to cause skin irritation unless exposure is excessive and/or prolonged.  
**Ingestion:** Inedible product, if ingested seeks medical attention.  
**Inhalation:** N/A

### 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:** Call Physician for advice.  
**Inhalation:** N/A  
**Medical Conditions Generally Aggravated by Exposure:** None

### 5. FIRE FIGHTING MEASURES

**Flash Point (Method Used):** > 290°C (Cleveland Closed Cup)

<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>	Combustion produces carbon monoxide, carbon dioxide, and thick smoke. In general, products of combustion may be irritating and toxic.
<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>	<p><b>Note:</b> Do not use water except to cool containers.</p> <ul style="list-style-type: none"> <li>• Combustible material.</li> <li>• Use air supplied equipment for fighting interior fires.</li> <li>• Cool fire exposed containers with water spray.</li> </ul>
<b>Unusual Fire &amp; Explosion Hazards:</b>	Not established

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

<b>Personal Protection:</b>	Safety goggles. Avoid eye and prolonged skin exposure.
<b>Environmental Protection:</b>	Notify authorities if large amounts of product enters sewer.
<b>Methods for Cleaning Up:</b>	<ul style="list-style-type: none"> <li>• Absorb onto an inert, absorbent substrate and sweep up.</li> <li>• Wash area with soap and water. Area may be slippery; take precautions.</li> </ul>

## 7. HANDLING AND STORAGE

### Handling

<b>Safe Handling:</b>	<ul style="list-style-type: none"> <li>• Wear safety glasses.</li> <li>• Keep away from oxidizing agents, excessive heat and sources of ignition.</li> </ul>
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### Storage

<b>Requirements for Storage Areas and Containers:</b>	Store in a cool (below 35°C), dry location, in a sealed container in a well ventilated area.
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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Engineering Controls:</b>	None
<b>Personal Protection</b>	
<b>Eye:</b>	Safety glasses should be worn.
<b>Skin/Body:</b>	Lab coats and gloves may be worn.
<b>Respiratory:</b>	Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if required for application.
<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 material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Semi Solid
Color:	White
Odor:	Characteristic, mild
Density:	0.86 kg/liter
Acid Value: (% oleic)	--
Vapor Pressure (mm Hg.):	N/A
Vapor Density (AIR = 1):	N/A
Flash Point:	> 290 °C
Boiling Point:	> 225 °C
Melting Point:	42-66 °C
Volatiles:	< 0.1%
Solubility in Water:	Insoluble

## 10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Excessive heat, sources of ignition.
Incompatibility (Materials to Avoid):	Avoid strong oxidizers
Hazardous Decomposition or Byproducts:	Combustion produces carbon monoxide, carbon dioxide, and thick smoke. In general, products of combustion may be irritating and toxic.
Hazardous Polymerization:	Will Not Occur

## 11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure:	None
Toxicity Data:	Non Toxic
Medical Conditions Generally Aggravated by Exposure:	None
Irritancy:	Skin: Prolonged contact may cause skin irritation. Eyes: Not expected to be an irritant
Carcinogenicity:	None
Reproductive Toxicity:	N/A
Teratogenicity:	N/A
Mutagenicity:	N/A
Name of toxicologically synergistic products:	N/A

## 12. ECOLOGICAL INFORMATION

Ecological Information:	No ecological hazards are associated with this product.
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## 13. DISPOSAL CONSIDERATIONS

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

DOT Classification:	65
Proper Shipping Name:	Vegetable Oil Esters

## 15. REGULATORY INFORMATION

<b>US:</b>	This material is intended to be used as a cosmetic ingredient and is exempt from Toxic Substances Control Act (TSCA) regulation (40 CFR 710) when used as such. Do not use for other purposes. All ingredients not confirmed on the TSCA Chemical Substance Inventory.
<b>EC:</b>	This product is not classified as "Dangerous" according to the health and physical properties criteria of the EU Directives on the classification of substances and preparations.

## 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

This product is not considered hazardous.

This product does not contain any chemicals subject to the reporting requirements of 40 CFR 355, 370, and 372 (SARA Section 313).

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.