

MATERIAL SAFETY DATA SHEET

CASTOR OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: CASTOR 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:
Vegetable Oil Triglycerides 100%
Hazardous Components: None
CAS #: 8001-79-4

3. HAZARDS IDENTIFICATION

Routes of Entry
Eye Contact: Mild irritation may occur, possible reddening
Skin Contact: Non-hazardous, might cause slight irritation
Ingestion: No known hazard, Large oral doses may cause spasmodic intestinal or abdominal pain.
Inhalation: No adverse health effects expected from inhalation
Chronic Exposure: No information

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 persists.
Ingestion: If large amounts were swallowed, give water to drink and get medical advice.
Inhalation: N/A
Medical Conditions Generally Aggravated by Exposure: None

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): 229°C, Closed Cup
Auto Ignition Temperature: 449°C
Flammable Limits

LEL:	Not Established
UEL:	Not Established
Extinguishing Media:	Dry Chemical, Carbon Dioxide, Water Spray, Foam
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:	Keep free of ignition sources.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Methods for Cleaning Up:	Ventilate area. Absorb onto an inert, absorbent substrate and sweep up. Do not use combustible materials, such as saw dust. Wash area with soap and water to prevent slip/fall hazard.
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7. HANDLING AND STORAGE

Handling

Safe Handling:	Keep away from fire and open flames. Protect from freezing.
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Storage

Requirements for Storage Areas and Containers:	Store in a cool, dry location, in a sealed container.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye:	Safety glasses should be worn.
Skin/Body:	Gloves should be worn.
Respiratory:	Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if heating product.
Ventilation:	A mechanical exhaust/ventilation or fume collection system may be used if deemed necessary according to application.
Other:	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
Work/Hygiene Practice:	Normal work and hygiene practices for handling non-hazardous liquid material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear, yellow brown
Odor:	Characteristic, fatty
pH:	No Information
MIV:	0.48%
Boiling Point:	313° C
Melting Point:	-10° C
Specific Gravity (H2O = 1):	0.95 gm/ml
Evaporation Rate:	No Information
Solubility in Water:	Insoluble
Water Reactive:	No

10. STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage
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Incompatibility (Materials to Avoid):	Avoid flames and strong oxidizers
Hazardous Decomposition or Byproducts:	Carbon dioxide and carbon monoxide may form when heated to decomposition.
Conditions to Avoid:	Excessive heat or freezing
Hazardous Polymerization:	Will Not Occur

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure:	N/A
LD50/LC50	No Toxic Effect
Medical Conditions Generally Aggravated by Exposure:	None
Irritancy:	Skin: Not expected to be an irritant Eyes: Not expected to be an irritant
Carcinogenicity:	No Data
Reproductive Toxicity:	No Data
Teratogenicity:	No Data
Mutagenicity:	No Data
Name of toxicologically synergistic products:	N/A

12. ECOLOGICAL INFORMATION

Biodegradation:	Expected to be ultimately biodegradable
Fish Toxicity:	No Data
Bacterial Toxicity:	No Data

13. DISPOSAL CONSIDERATIONS

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

DOT Classification:	Not regulated; Ship as food stuff, not to be loaded with incompatible materials including poisons.
Class/Division:	Not restricted
Proper Shipping Name:	NA
Label:	None
Packing Group:	NA
ID Number:	NA
Hazard:	NA

15. REGULATORY INFORMATION

WHMIS classification for product:	N/A
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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 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.