

MATERIAL SAFETY DATA SHEET

MACAUBA OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: MACAUBA OIL
Product Use: Personal Care Formulations
Company Name: Natural Sourcing
Company Address: 341 Christian Street, Oxford, CT 06478, USA
Date Issued: 6/24/2008
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:
Vegetable Oil Triglycerides 100%, DERIVED FROM MACAUBA SEEDS
INCI: Acrocomia aculeata (Macauba) Oil
Hazardous Components: None
CAS #:

3. HAZARDS IDENTIFICATION

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: Due to its use in cosmetics, no adverse effects are expected. Wash with soap and water- get medical attention if irritation occurs.
Ingestion: Non toxic in small doses. For sizeable amount, seek medical attention. Effects appear more severe in individuals with kidney problems.
Inhalation: No vapors present at normal temperatures. No adverse effects due to inhalation of vapors are expected.
Medical Conditions Generally Aggravated by Exposure: None

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): ~ 338°C
Flammable Limits

LEL:	Not Established
UEL:	Not Established
Extinguishing Media:	Dry Chemical, Carbon Dioxide, Foam
Special Firefighting Procedures:	Combustible material. Limit the spread of oil. Use air supplied equipment for fighting interior fires. Cool fire exposed containers with water.
Unusual Fire & Explosion Hazards:	Not established

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Protection:	N/A
Environmental Protection:	Notify authorities if large amounts of product enters sewer.
Methods for Cleaning Up:	Remove sources of ignition. 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

Safe Handling:	Wear safety glasses. Keep away from oxidizing agents, excessive heat and sources of ignition. Do not overheat.
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Storage

Requirements for Storage Areas and Containers:	Store in closed containers below 30°C in well ventilated areas. Ground containers are recommended when dispensing. Do not store or use near heat, sparks, or flame and store out of sun. Never use pressure to empty. Do not puncture, drag, or slide containers.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye:	Not required but safety glasses may be worn.
Skin/Body:	Lab coats and gloves may be worn.
Respiratory:	Not needed under normal conditions of use.
Ventilation:	Handle in well ventilated areas.
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:	Viscous, slightly opaque, oily liquid
Color:	Slightly Yellow
Odor:	Characteristic, pleasant
Specific Gravity (H₂O = 1):	0.900-0.950 g/cm ³
Acid Value: (% oleic)	Max 10.0
Iodine Value:	20-50 g/100g (Wijs)
Saponification Value:	220-250 mg KOH/g
Peroxide Value:	< 10 mEQ/kg
Flash Point:	~ 338° C
Boiling Point:	~ 200° C

Melting Point: 12-18° C
Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable
Incompatibility (Materials to Avoid): Avoid strong oxidizers
Hazardous Decomposition or Byproducts: None (thermal decomposition products are H₂O and CO₂)
Conditions to Avoid: Avoid temperatures over 180°C for food applications and over 60°C for cosmetics applications.
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: Not expected to be an irritant
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.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

US: 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.
EC: This material is not classified as Dangerous according to the health and physical properties criteria of the EU Directives on

the classification of substances and preparation.

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.