



NATURAL SOURCING™
Specialists in Cosmeceutical Ingredients

SAFETY DATA SHEET

ORGOILCASTORIN64

VERSION NO. 1

ORGANIC CASTOR OIL

*Prepared to US OSHA, CMA, ANSI, Canadian WHMIS Standards,
Australian WorkSafe, Japanese Industrial Standard JIS Z
7250:2000, and European Directives*

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	ORGANIC CASTOR OIL
Botanical Name:	Ricinus Communis
INCI Name:	Ricinus Communis (Castor) Seed Oil
Synonyms:	None
CAS No:	8001-79-4
EINECS No:	232-293-8
FEMA No:	Not applicable
1.2 Product Use:	Personal Care Formulations
1.3 Company Name:	Natural Sourcing, LLC.
Company Address:	341 Christian Street, Oxford, CT 06478, USA
Business Phone:	(800) 340-0080
Website:	www.naturalsourcing.com
Email:	info@naturalsourcing.com
1.4 Emergency Telephone Number:	Chemtrec: (800) 262-8200
Date of Current Revision:	June 21, 2018
Date of Last Revision:	New

2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a yellow to brownish yellow liquid with a characteristic odor.

Health Hazards: None

Flammability Hazards: This product is considered a Non-Flammable liquid with a flash point of >230 °C

Reactivity Hazards: None

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause adverse environmental effects.

US DOT Symbols:	Non-Regulated Material
CANADA (WHMIS) Symbols:	None
EU and GHS Symbols:	None
Signal Word:	None

2.1 EU Labeling and Classification:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Components Contributing to Classification: None

2.2 Label Elements:

GHS Hazard Classifications:	None
Hazard Statements:	None
Precautionary Statements:	None
Response Statements:	None
Storage Statements:	None
Disposal Statements:	None

2.3 Health Hazards or Risks From Exposure:**Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: Not expected to be an irritant.

Skin Contact: Not expected to be a skin irritant.

Eye Contact: Not expected to be an irritant.

Ingestion: May cause diarrhea, nausea, vomiting and irritation of gastrointestinal tract.

Chronic: No data available.

Target Organs:

Acute: No data available

Chronic: No data available

3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Type of Product:** Natural Sourcing Vegetable Oils

Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification	Risk Phrases
Castor Oil	100%	8001-79-4	232-293-8	Not Classified	None

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

4 FIRST AID MEASURES**4.1 Description of First Aid Measures:****Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call physician or poison center if you feel unwell. If professional advice is not available, do not induce vomiting. Never induce vomiting or give dilutents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated by Exposure:

No data available

4.2 Symptoms and Effects Both Acute and Delayed:

Contact with eyes may cause irritation.

4.3 Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

5 FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray: Yes
Foam: Yes
Halon: Yes

Carbon Dioxide: Yes
Dry Chemical: Yes
Other: Any "C" Class

5.2 Unusual Fire and Explosion Hazards:

Fine dust clouds may form explosive mixtures with air.

Explosive Sensitivity to Mechanical Impact: No

Explosive Sensitivity to Static Discharge: No

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.3 Special Fire-Fighting Procedures:

NFPA RATING SYSTEM		HMIS RATING SYSTEM																					
		HAZARDOUS MATERIAL IDENTIFICATION SYSTEM																					
<p>Flammability: 1 Health: 0 Reactivity: 0 Other: -</p>		<table border="1"> <tr> <td>HEALTH HAZARD (BLUE)</td> <td>0</td> </tr> <tr> <td>FLAMMABILITY HAZARD (RED)</td> <td>1</td> </tr> <tr> <td>PHYSICAL HAZARD (YELLOW)</td> <td>0</td> </tr> </table>		HEALTH HAZARD (BLUE)	0	FLAMMABILITY HAZARD (RED)	1	PHYSICAL HAZARD (YELLOW)	0	<table border="1"> <thead> <tr> <th colspan="4">PROTECTIVE EQUIPMENT</th> </tr> <tr> <th>EYES</th> <th>RESPIRATORY</th> <th>HANDS</th> <th>BODY</th> </tr> </thead> <tbody> <tr> <td></td> <td>See Sect 8</td> <td></td> <td>See Sect 8</td> </tr> </tbody> </table>		PROTECTIVE EQUIPMENT				EYES	RESPIRATORY	HANDS	BODY		See Sect 8		See Sect 8
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	See Sect 8		See Sect 8																				
<p>Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard</p>																							

6 ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.

Large Spills:

- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

7.2 Storage and Handling Practices:

Keep away from acids and oxidizing agents.

7.3 Specific Uses:

Comply with the regulations and product data sheet. No specific recommendations. Apply the above handling guidelines.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Parameters:

<u>Ingredients</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>NIOSH PEL</u>
Castor Oil	8001-79-4	TWA 15 mg/m ³ (Total) 5 mg/m ³ (Respirable Fraction) <i>Vegetable Oil</i>	TWA 10 mg/m ³ (Total) 5 mg/m ³ (Respirable Fraction) <i>Vegetable Oil</i>

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas.
Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are recommended.
If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact.
If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed.
If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9 PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:**

Appearance (Physical State and Color): This product is a yellow to brownish yellow liquid with a characteristic odor.

Odor: Characteristic

Odor Threshold: Not Available

pH: Neutral

Melting/Freezing Point: Not Available

Boiling Point: 313°C

Flash Point: >230°C (COC)

Evaporation Rate: Not Available

Flammability (Solid; Gas): None

Upper/Lower Flammability or Explosion Limits: Not Available

Vapor Pressure (mm Hg @ 20°C (68° F): Not Available

Vapor Density: Not Available

Relative Density: 0.95 @ 25°C

Specific Gravity: Not available

Solubility in Water: Insoluble

Weight per Gallon: Not Available

Partition Coefficient (n-octanol/water): Not Available

Auto-Ignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: 600-800 CST @ 25°C

9.2 Other Information: No additional information available at this time.

10 STABILITY AND REACTIVITY**10.1 Reactivity:**

Oxidation with atmospheric oxygen. Formation of free fatty acids.

10.2 Stability:

Stable under conditions of normal storage and use.

10.3 Possibility of Hazardous Reactions:

Reacts with oxidizers.

10.4 Conditions to Avoid:

Avoid heat, flames and other sources of ignition.

10.5 Incompatible Substances:

Strong oxidizing substances. Strong acids. Strong alkalis.

10.6 Hazardous Decomposition Products:

Carbon Dioxide, Carbon Monoxide, and various Hydrocarbons may be released during a fire.

11 TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:**

Toxicity Data:

No data available

Suspected Cancer Agent:

Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

Irritancy:

Skin: Not expected to be an irritant

Sensitization to the Product:

Eyes: May cause moderate to severe eye irritation upon direct contact.

Reproductive Toxicity:

This product is not expected to cause skin sensitization.

No specific information is available concerning the effects of this product and its components on the human reproductive system.

12 ECOLOGICAL INFORMATION**12.1 Toxicity:**

No data available

12.2 Persistence and Degradability:

Readily biodegradable

12.3 Bioaccumulative Potential:

Minimum biodegradability is 60% BSB30/CSB Resp. 70% DOC

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

13 DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

14 TRANSPORTATION INFORMATION**US DOT, IATA, IMO, ADR:****14.1 U.S. Department of Transportation (DOT) Shipping Regulations:***This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.*

UN Identification Number:	Non-Regulated Material
Proper Shipping Name:	None
Hazard Class Number and Description:	None
Packing Group:	None
DOT Label(s) Required:	None
North American Emergency Response Guidebook Number:	None
RQ Quantity:	None

14.2 Environmental Hazards:**Marine Pollutant:**

The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

This product is not considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is not considered as dangerous goods.

14.6 Transport in Bulk According to Annex II of Marpol 73/78 and IBC Code:

European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR:)

This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

15 REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:****United States Regulations:****U.S. SARA Reporting Requirements:**

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act as follows: None

U.S. SARA Threshold Planning Quantity:

There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity:

None

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

This product is not considered hazardous per WHMIS Controlled Product Regulations.

15.3 European Economic Community Information:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

16 ADDITIONAL INFORMATION

Prepared By: Amanda DeBiase

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. 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. Natural Sourcing, LLC. assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Natural Sourcing, LLC assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET