

# Safety Data Sheet

Castor Oil No. 1



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** RelaTECH Castor Oil No. 1      **Product Code:** 95168CASTOR

**Trade Name:**

Castor Oil #1 / Pale Pressed Castor Oil  
Castor Oil USP / Low Moisture Castor Oil  
Neutralized Castor Oil

**Last Revision:** March 1, 2015

RelaDyne Custom Blending  
2250 Arthur Avenue  
Elk Grove, IL 60007

**Name, address, and telephone number of the manufacturer:**  
Refer to distributor

INFORMATION TELEPHONE NUMBER: (847) 956-7550  
FOR EMERGENCIES: INFOTRAC 800-535-5053

## 2. HAZARDS IDENTIFICATION

Castor Oil is not a hazardous material and does not contain any hazardous ingredients under OSHA Hazard Comm. Standard 29 CFR 1910.1200

## 3. COMPOSITION / INFORMATION ON COMPONENTS

**Composition:** Natural vegetable oil rich in triglyceride ester of fatty acids with min 89% 12-hydroxyoleic acid (by GLC) Remaining 11% is comprised of Linoleic, Oleic, Palmitic, Stearic, Dihydroxystearic, Linolenic, Eicosanoic acids.

**CAS No.**  
8001-79-4

**EINECS No.**  
232-293-8

**HMIS/NFPA**  
H-0 F-1 R-0 PP-A

## 4. FIRST AID MEASURES

In case of ingestion, rinse mouth. Do not induce vomiting unless directed to by medical personnel. In case of skin contact, wash with plenty of water and soap. In case of eye contact, rinse with plenty of water. If irritation persists, get medical attention.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Foam, carbon dioxide, water, dry chemical powder

**Unsuitable Extinguishing Media:** No restrictions

In fire carbon monoxide and carbon dioxide may form

**Flash Point:** 230°C (COC)

**Auto Ignition Temperature:** 449°C

**Special Protective Equipment:** Not required, except regular fire-fighters equipment

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## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

Methods for Clean Up: Absorb spill with sand or earth. Clean with detergent.

## 7. HANDLING AND STORAGE

Handling: Keep away from sources of ignition.

Storage: Keep containers closed and in dry area away from heat & light.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: No special measures required

Control Parameters: Not available

Personal Protection: Usual, same as for handling chemicals

Respiratory Equipment: None

Hand Protection: Neoprene gloves

Eye Protection: Protective glasses

Skin Protection: None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish viscous liquid

Odor: Characteristic, like vegetable oil

PH: Neutral

Boiling Point: Above 300°C

Melting Point: Not applicable

Flash Point: Above 230°C (COC)

Flammability (solid, gas): None

Auto flammability: None

Explosive Properties: None

Oxidizing Properties: None

Vapor Pressure: Not applicable

Relative Density: About 0.95 @ 25°C

Solubility – Water solubility: Insoluble

- Fat solubility (solvent oil to be specified): Soluble in ethanol at room temperature

Partition coefficient n-octanol/water: Not available

Other Data: Viscosity @ 25°C ~ 600-800 CST

## 10. STABILITY AND REACTIVITY

Conditions to avoid: Keep away from oxidizing materials

Materials to avoid: Oxidizing materials & sources of ignition

Hazardous decomposition products: None if handled & stored according to prescription

## 11. TOXICOLOGICAL INFORMATION

Expected LD50 oral-rate > 5000 mg/kg based on data taken from similar product

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### 12. ECOLOGICAL INFORMATION

**Mobility:** Not determined

**Degradability:** Readily biodegradable

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

**Short & long term effects on eco toxicity:**

Acute fish toxicity LCO > 100 mg/L

Bacteria toxicity ECO > 100 mg/L

### 13. DISPOSAL CONSIDERATION

Can be landfilled in accordance with municipal, provincial and federal regulations.

### 14. TRANSPORT INFORMATION

Not regulated

### 15. Regulatory Information

According to EEC Council Directive, Castor oil is not a dangerous substance, but suitable precautions for handling chemicals should be taken.  
EINECS#: 232-293-8 TSCA: Is not regulated. No special handling or labels are required.

### 16. OTHER INFORMATION

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