

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name	Castor oil
CAS number	8001-79-4
Synonyms	castor oil, ricinus oil, olio di ricino, venelex, xenaderm, optase, trypsin complex, unii-d5340y2i9g, castor oil usp:jan, 1-o,2-o,3-o-tris z-12-hydroxy-9-octadecenoyl glycerol

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	For laboratory research purposes.
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#### 1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### 2.2 GHS Label elements, including precautionary statements

Pictogram None needed

Signal Word None needed

Hazard statements None needed

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Castor oil	Ricinus oil	8001-79-4	100%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

**General advice** Show this material safety data sheet to the doctor in attendance.

**If inhaled** After inhalation: fresh air. Call in physician.

**In case of skin contact** Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

**In case of eye contact** Rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

**If swallowed** Immediately make victim drink water (two glasses at most). Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

None reasonably foreseeable.

### 4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.

**Unsuitable extinguishing media** Water

### 5.2 Specific hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition

Hazardous combustion products: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>).

Development of hazardous combustion gases or vapours possible in the event of fire.

### **5.3 Special protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **5.4 Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbant material. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

Not applicable

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Precautions on safe handling**

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Avoid ingestion or inhalation.

#### **Hygiene measures**

Immediately change contaminated clothing. Apply preventative skin protection. Wash hands and face after working with substance.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated space.

**Incompatibilities**      No information available

## SECTION 8: Exposure controls/personal protection

### 8.1 Occupational exposure limits

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

##### Skin protection

Handle with impervious gloves.

##### Body Protection

Protective clothing

##### Respiratory protection

No protection is needed under normal use conditions.

##### Control of environmental exposure

No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Light yellow
Odor	Strong
Odor Thresh	No information available
pH	No information available
Melting Point/Range	-10 °C / 14 °F
Boiling Point/Range	229 °C / 444.2 °F
Evaporation Rate	229 °C / 444.2 °F
Flammability (solid)	No information available
Flammability or explosive limit	No information available

Vapor Pressure	Negligible
Vapor Density	No data available
Density	0.957
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temp	448 °C / 838.4 °F
Decomposition Temp	No data available
Viscosity	6-8 Ps at 25 °C
Molecular Formula	C57 H104 O9
Molecular Weight	933.45
VOC Content(%)	No information available
Oxidizing properties	No information available

## 9.2 Other safety information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Reactive hazard: None known, based on information available.

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Incompatible products, excess heat.

### 10.5 Incompatible materials

Strong oxidizing agents, acids, bases.

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

#### Acute toxicity

No data available

#### Skin corrosion/irritation

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Castor Oil	8001-79-4	Not listed	Not listed	Not listed	Not listed	Not listed

**Specific target organ toxicity - repeated exposure**

No data available

**Reproductive toxicity**

May damage the unborn child. Positive evidence from human epidemiological studies. May damage fertility. Positive evidence from human epidemiological studies. Studies indicating a hazard to babies during the lactation period.

**Chronic effects**

No data available

**11.2 Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 12: Ecological information**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

Insoluble in water. May persist based on information available.

**12.3 Bio accumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

**DOT (US)** Not listed

**IMDG** Not listed

**IATA** Not listed

## SECTION 15: Regulatory information

Toxic Substance Control Act (TSCA 8b.): listed

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

### US Federal Regulations

CERCLA Hazardous substance and Reportable Quantity: Not applicable

SARA 313: Not Listed

SARA 302: Not Listed

### State Regulations

State Right-to-Know:

Massachusetts: Not Listed

New Jersey: Not Listed

Pennsylvania: Not Listed

California Proposition 65: Not Listed

## SECTION 16: Other information

Revision date: 06/03/2024

Revision number: 0

## SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.