



## Safety Data Sheet

### Castor Oil

February 2<sup>nd</sup>, 2016

#### Section 1: Chemical Product and Company Identification

**Product name:** Castor Oil  
**Contact Info:** Bramble Berry Inc.  
2138 Humboldt Street  
Bellingham, WA 98225  
info@brambleberry.com  
www.brambleberry.com  
1-877-627-7883

**Emergency Phone Number:**  
Within USA & Canada: 1.800.424.9300 CCN693143  
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

#### Section 2: Hazards Identification

Castor Oil is not a hazardous material nor does it contain any hazardous ingredients.

#### Section 3: Composition/Information on Ingredients

##### Composition

Triglyceride ester of Fatty acids  
Min 82% is 12-Hydroxy oleic acid by GLC Chemical

Cas No.	Chemical name	Concentration	R-phrases: -
8001-79-4	Triglyceride	Natural Glycerol Ester (Triglyceride)	S-phrases: -

#### Section 4: First Aid Measures

In case of ingestion, rinse the mouth. In case of inhalation remove to fresh air immediately. In case of skin contact wash with plenty of water & soap. In case of eye contact rinse with plenty of water.

#### Section 5: Fire-Fighting Measures

**Extinguishing Media:** Foam, Carbon dioxide, Water, Dry Chemical Powder  
**Unsuitable Extinguishing Media:** No restrictions. In case of fire, carbon monoxide & carbon dioxide can be formed  
**Special Protective equipment:** Not required, except regular fire-fighters equipment

## Section 6: Accidental Release Measures

**Personal precautions:** None

**Environmental precautions:** None

**Methods For Cleaning Up:** Soap up spill with sand or earth & detergent.

## Section 7: Handling and Storage

**Handling:** Keep away from sources of ignition.

**Storage:** Keep containers close and in dry shaded area, away from heat & light.

## Section 8: Exposure Controls/Personal Protection

**Engineering measures:** No special measures required

**Control Parameters:** Not Available

**Personal Protection:** Usual, as taken for handling chemicals.

**Respiratory Equipment:** None

**Hand Protection:** Hand Savers

**Eye Protection:** Protective Glasses

**Skin Protection:** None

## Section 9: Physical and Chemical Properties

**Appearance:** Yellowish viscous liquid

**Odour:** Like vegetable oil

**PH:** Neutral

**Boiling point / Boiling range:** Above 300°C

**Melting point/ Melting range:** Not applicable

**Flash point:** Above 260°C (COC)

**Flammability (solid, gas):** None

**Autoflammability:** None

**Explosive properties:** None

**Oxidizing properties:** None

**Vapour Pressure:** Not Applicable

**Relative Density:** About 0.95 at 25oC

**Solubility - Water solubility:** Insoluble

**Fat solubility (solvent oil to be specified):** Soluble in ethanol at room temperatures

**Partition coefficient, n-octanol/water:** Not Available

**Other data:** Viscosity at 25°C about 600 – 800 cst

## Section 10: Stability and Reactivity

**Conditions to avoid:** Keep away from oxidizing materials

**Materials to avoid:** Oxidizing materials & sources of ignition

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

## Section 11: Toxicological Information

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

## Section 12: Ecological Information

**Mobility:** Not determined

**Degradability:** Readily biodegradable

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

**Short & long term effects on Ecotoxicity:**

Acute fish toxicity LC50 > 100 mg/L

Bacteria toxicity EC50 > 100 mg/L

**Other adverse effects:** None

## Section 13: Disposal Conditions

Can be landfilled together with household refuse, in accordance with the regulations

## Section 14: Transport Information

Not classified as hazardous

## Section 15: Regulatory Information

**Acc. to EEC Council Directive, it is not a dangerous substance, but suitable precautions of handling chemicals should be taken. EINECS#: 232-293-8**

*AICS - Australian Inventory of Chemical Substances*

## Section 16: Other Information

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