Safety Data Sheet
Castor Oil
February 2\textsuperscript{nd}, 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

<table>
<thead>
<tr>
<th>Cas No.</th>
<th>Chemical name</th>
<th>Concentration</th>
<th>R-phrases: -</th>
<th>S-phrases: -</th>
</tr>
</thead>
<tbody>
<tr>
<td>8001-79-4</td>
<td>Triglyceride</td>
<td>Natural Glycerol Ester (Triglyceride)</td>
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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

www.brambleberry.com
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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