

SAFETY DATA SHEET according to GHS

Product: Castor Oil

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1. Product and Company Identification

Trade Name: Castor Oil #1 / Pale Pressed Castor Oil

Castor Oil USP / Low Moisture Castor Oil

Neutralized Castor Oil

Distributor: Manufacturers:
Alnor Oil Company, Inc. Adani Wilmar Ltd
70 E. Sunrise Highway A. Azevedo Oleos Ltd

Suite 418 BioOleo

Valley Stream, NY 11581 Gokul Overseas Ltd
Tel: (516) 561-6146 Ihsedu Agrochem Ltd
Email: vegoil.source@alnoroil.com Jayant Agro Organics Ltd

2. Hazards Identification

Castor Oil is not a hazardous material and does not contain any hazardous ingredients.

3. Composition/Information on Ingredients

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 # 8001-79-4 EINECS # 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

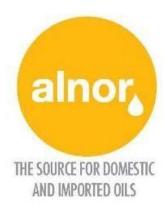
Unsuitable Extinguishing Media No restrictions

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)

Auto flammability

Explosive Properties

Oxidizing Properties

None

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



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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

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. <u>Disposal Considerations</u>

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

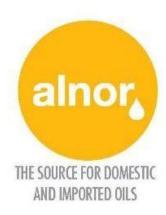
14. Transport Information

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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