



**Canada ColorsTM
and Chemicals Limited**

**152 Kennedy Road South
Brampton, Ontario
Canada
L6W 3G4**

General Inquiry Number: (905) 459-1232

**Material Safety Data Sheet
Attached**



This product is distributed by **Canada Colors and Chemicals Limited**
General Inquiry Phone Number: (905) 459-1232
24 Hour Emergency Phone Number (416) 444-2112

CCC Product Code: 294702

CCC Product Name: CASTOR OIL (COFSG)



Jayant Agro-Organics Ltd.

Material Safety Data Sheet (MSDS) According 91/155/EEC¹

Product: Castor Oil

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1. Chemical Product and Company Identification

Product Name	Castor Oil (Grades: Pale, Extra pale, First Special Grade (FSG), DAB, BP, Eur.Pharma, IP, USP, Urethane, FPD, Deodorized)
Manufacturer/Supplier	Jayant Agro-Organics Ltd. Akhandanand, 38 Marol Co-op. Ind. Estate, Off.M.V.Rd. Sakinaka, Andheri(E), Mumbai-400059. INDIA Tel: +91-22-40271300

2. Composition/Information on Ingredients

Composition	Triglyceride ester of Fatty acids Min 82% is 12-Hydroxy oleic acid by GLC		
Cas No.	Chemical name	Concentration	
8001-79-4	Triglyceride	Natural Glycerol Ester (Triglyceride)	S-phrases: 26/36

3. Hazards Identification

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

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.

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

6. Accidental Release Measures

Personal precautions	None
Environmental precautions	None
Methods For Cleaning Up	Soap up spill with sand or earth & detergent

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7. Handling and Storage

Handling	Keep away from sources of ignition.
Storage	Keep containers close and in dry shaded godown, away from heat & light.

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

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 300°C (COC)
Flammability (solid, gas)	None
Autoflammability	None
Explosive properties	None
Oxidizing properties	None
Vapour Pressure	Not Applicable
Relative Density	About 0.95 at 25°C
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

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10. Stability and Reactivity

Conditions to avoid	Keep away from oxidising materials
Materials to avoid	Oxidising 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 Ecotoxicity	Acute fish toxicity LCO > 100 mg/L Bacteria toxicity ECO > 100 mg/L
Other adverse effects	None

13. Disposable Considerations

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

14. Transport Information

Not classified as hazardous

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

16. Other Information

These data are based on our present knowledge. However, they will not constitute a guarantee for any specific product features and will not establish a legal contractual relationship.