



SAFETY DATA SHEET

Product: Hydrogenated Castor Oil

Page 1

1. Product and Company Identification

Trade Name: Hydrogenated Castor Oil (HCO)

Distributor:
Everchem Specialty Chemicals
1400 N. Providence Rd., Suite 302
Media, PA 19063
Ph: 484-234-5030
Fx: 484-234-5037
www.everchem.com

2. Hazards Identification

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

GHS Pictograms: Not classified
GHS Classification Not classified

3. Composition/Information on Ingredients

Composition Triglyceride ester of hydrogenated fatty acid
with min 82% 12-hydroxyoleic acid (by GLC)

CAS # 8001-78-3

EINECS # 232-292-2

HMIS/NEPA: H-0 F-1 R-0 PP-A

4. First-Aid Measures

In case of ingestion, rinse mouth. In case of inhalation remove to fresh air immediately. 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
Flash Point In fire carbon monoxide and carbon dioxide may form
Above 310°C
Special Protective Equipment Not required, except regular fire-fighters equipment

Product: Hydrogenated Castor Oil

6. Accidental Release Measures

Personal Precautions	Wear suitable respiratory protection
Environmental Precautions	None
Methods for Clean Up	Sweep dry and flush with water. If melt is spilled, allow to solidify

7. Handling and Storage

Handling	Avoid dust formation and 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	Limit values of inert dust: max 6mg/m ³ biological standards

Personal Protection

--respiratory Equipment	Dust mask
--Hand Protection	Hand Savers
--Eye Protection	Protective glasses
--Skin Protection	None

9. Physical and Chemical Properties

Appearance	White flakes or powder
Odor	Like hardened vegetable oil
PH	Neutral
Boiling Point	Above 300°C
Melting Point	82 – 87°C
Flash Point	Above 310°C
Flammability (solid, gas)	None
Auto flammability	None
Explosive Properties	Dust explodable
Oxidizing Properties	None
Vapor Pressure	Not applicable
Relative Density	About 0.99 @ 25°C
Solubility – Water solubility	Insoluble
- Fat solubility	

Partition coefficient	Insoluble in most organic solvents at room temperature
n-octanol/water	Not available

Product: Hydrogenated Castor Oil

Page 3

10. Stability and Reactivity

Conditions to avoid	Temp. more than 82°C leads to melting
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. This product is not listed as a carcinogen by the following agencies: ACGIH, IARC, NTP and OSHA. It may cause eye irritation in case eye contact. Other data like neurological effects, reproductive toxicity, and sensitization are not available.

12. Ecological Information

Mobility	Not determined
Degradability	Readily biodegradable
Accumulation	Min 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. Disposal Considerations

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

14. Transport Information

Not classified as hazardous (UN Hazard Code: NR)

15. Regulatory Information

According to EEC Council Directive, castor oil is not a dangerous substance, but suitable precautions for handling chemicals should be taken. Registered with EINECS, AICS, ENCS, DSL, ECL, TSCA

16. Other Information

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or corrections.

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