

Material Safety Data Sheet / Safety Data sheet

Hydrogenated Castor Oil

Section 1: Chemical Product Identifier and Synonyms

Product Name: Hydrogenated Castor Oil

UN Number: Not available.

CAS Number: 8001-78-3

Synonym: Hydrogenated Castor Oil, HCO

Section 2: Composition and Information on Ingredients

Composition

Name	CAS Number:	% By Weight
Hydrogenated Castor Oil	8001-78-3	100%

Toxicology Data On Ingredients: Hydrogenated Castor Oil LD50: Not Available. LC50: Not Available

Section 3: Hazards Identification

Potential Acute Health Effects:

Not available.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact:

Remove contaminated clothing. Drench affected area with water for at least 15 minutes

Inhalation:

Go into open air and ventilate suspected area.

Ingestion:

Rinse mouth. Do NOT induce vomiting.

Section 5: Fire and Explosion Data

Flammability of the Product: Not available.

Auto-Ignition Temperature: Not available.

Flash Points: > 310 °C (590°F).

Flammable Limits: Not applicable.

Products of Combustion: May be combustible at high temperature.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Use extinguishing media appropriate for surrounding fire. Carbon dioxide, dry chemical, foam, water spray, sand. Exercise caution when fighting any chemical fire.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Risk of explosion by shock, friction, fire or other sources of ignition. Risk of explosion if heated under confinement.

Section 6: Accidental Release Measures**Small Spill:**

Do not allow product to spread into the environment. Avoid generating dust. Can be slippery on hard, smooth walking area. Ventilate area.

Large Spill:

Avoid generation of dust during clean-up of spills. Use a soft bristle brush or conductive rubber or conductive plastic shovel. Use caution, material is sensitive to initiation from sources such as heat, flame, shock, friction, or sparks. Use only non-sparking tools.

Section 7: Handling and Storage**Precautions:**

Use care during processing to minimize generation of dust. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Storage:

Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Stainless steel preferred for storage.

Section 8: Exposure Controls / Personal Protection

Engineering Controls:

Avoid dust production. Ground/bond container and receiving equipment.

Personal Protection:

Safety glasses. Gloves. Protective clothing. Dust production: dust mask with filter.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Fine Powder.

Odour: Not available.

Taste: Not available.

Molecular Weight: Not available.

Colour: Not available.

pH (1% soln/water): Not available.

Boiling Point: > 300 °C (572°F)

Melting Point: 82 - 87 °C (179.6-188.6°F)

Critical Temperature: Not available.

Specific Gravity: 0.93 (Water = 1)

Vapour Pressure: 3.81E-34 Pa at 20 °C.

Vapour Density: Not available.

Volatility: Not available.

Odour Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Soluble in water, ether and organic solvent.

Section 10: Stability and Reactivity Data

Stability: Stable at ambient temperature and under normal conditions of use

Instability Temperature: Not available.

Conditions of Instability: Risk of explosion by shock, friction, fire or other sources of ignition. Risk of explosion if heated under confinement.

Incompatibility with various substances: Strong acids. Strong bases. Strong oxidizers.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: LD50 Oral Rat > 10 g/kg. LC50: Not available.
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Not available.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Not available.
Toxicity of the Products of Biodegradation: Not available.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Information

Waste Disposal: Dispose of in accordance with local regulations

Section 14: Transport Information

DOT Classification: This product does not require a classification for transport.
Identification: Not available.
Special Provisions for Transport: Not available.

Section 15: Regulatory Information

Regulations: Labelling according to Regulation (EC) No 1272/2008.

Section 16: Other Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials. The author will not be held liable for any damage or injury caused by this product and does not obviate the requirement for end users to carry out their own workplace and specific use risk assessment.

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