



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Dehydrated Castor Oil (DCO)**
- **Synonyms:** DCO, Polymerized castor oil, Dehydrated ricinoleic acid oil

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:

- Industrial lubricant, paint/coating additive, chemical intermediate.

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Dehydrated Castor Oil	64147-40-6	≥90%

Additional Notes: May contain trace polymers from the dehydration process.



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Skin Irritation: Category 3 (H316)
- Eye Irritation: Category 2B (H320)

Potential Effects:

- Mild skin/eye irritation.
- Prolonged contact may cause dryness or dermatitis.

4. FIRST AID MEASURES

- **Eye Contact:** Rinse with water for 15 minutes; seek medical attention.
- **Skin Contact:** Wash with soap/water; remove contaminated clothing.
- **Ingestion:** Rinse mouth; do NOT induce vomiting.
- **Inhalation:** Unlikely (low volatility); move to fresh air if discomfort occurs.

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** Foam, CO₂, dry chemical.
- **Flash Point:** >200°C (COC)
- **Protection.:** Firefighters should wear SCBA.
- **Special Hazards:** Combustible at high temps; emits acrid smoke.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- Personal Precautions: Wear gloves/safety goggles.
- Containment: Absorb with inert material (sand, vermiculite).
- Environmental Precautions: Prevent entry into waterways.

7. HANDLING AND STORAGE

- **Handling:**
 - Use in well-ventilated areas; avoid skin/eye contact.
- **Storage:**
 - Keep in tightly sealed containers.
 - Store away from oxidizers, heat sources.
 - Recommended temp: 10–30°C.



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General ventilation
- **PPE:**
 - Nitrile gloves.
 - Safety goggles.
 - Chemical-resistant apron (for bulk handling).

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Amber viscous liquid
Odor	Mild, characteristic
Boiling Point	>300°C (estimated)
Density (20°C)	0.94–0.96 g/cm ³
Viscosity (25°C)	500–800 mPa·s

10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Incompatibilities:** Strong oxidizers, acids/bases.
- **Hazardous Decomposition:** CO/CO₂ if heated excessively.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral, Rat):

- Oral LD50 (rat): >2000 mg/kg.
- Dermal LD50 (rabbit): >2000 mg/kg.

Irritation:

- Skin: Mild irritation possible.
- Eyes: Moderate irritation.



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12. ECOLOGICAL INFORMATION

Biodegradability:

- Readily biodegradable (>60% in 28 days).

Aquatic Toxicity:

- Fish LC50 (96h): >100 mg/L.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Incinerate or recycle per local regulations.

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods

15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant

16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.