



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Blown Castor Oil**
- **Synonyms:** Oxidized Castor Oil, Polymerized Castor 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 lubricants, coatings, adhesives, plasticizers.

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Blown Castor Oil	8001-78-3 (modified)	≥95%

Additional Notes:

- **Impurities:** Contains polymerized triglycerides
- May contain trace peroxides (<0.1%) from oxidation process



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Not classified as hazardous under normal use.

Precautionary Statements (P-Codes):

- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves/eye protection

Potential Hazards:

- May cause mild eye irritation
- Viscous when cold (potential slip hazard)

4. FIRST AID MEASURES

- **Eye Contact:** Rinse with water for 15 minutes.
- **Skin Contact:** Wash with soap and water.
- **Ingestion:** Rinse mouth; do NOT induce vomiting
- **Inhalation:** Not expected (low volatility)

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** Foam, CO₂, dry chemical
- **Flash Point:** >200°C (high fire point)
- **Special Hazards:** Thick smoke may form when burned
- **Firefighting PPE:** SCBA recommended

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - **Small spills:** Absorb with inert material (sand, vermiculite)
 - **Large spills:** Contain with barriers; recover for reuse if possible



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7. HANDLING AND STORAGE

- **Handling:**
 - Use at 50-70°C for easier pumping (if required)
 - Avoid prolonged skin contact
- **Storage:**
 - Keep in airtight containers below 40°C
 - Shelf Life: 12 months

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General room ventilation
- **PPE:**
 - Gloves: Nitrile or neoprene
 - Eye Protection: Safety goggles
 - Respiratory: Not typically required

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Amber viscous liquid
Odor	Characteristic fatty
Viscosity (25°C)	5,000-10,000 cPs
Acid Value	10-20 mg KOH/g
Iodine Value	80-100 (g I ₂ /100g)

10. STABILITY AND REACTIVITY

- **Stability:** Stable; avoid strong oxidizers.
- **Incompatible Materials:** Strong acids/bases.
- **Hazardous Decomposition:** Will not occur



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11. TOXICOLOGICAL INFORMATION

Skin Sensitization:

- Mild (OECD 404)

Oral LD50 (rat):

- >5000 mg/kg (rat)

Ecotoxicity:

- LC50 (fish): >100 mg/L

12. ECOLOGICAL INFORMATION

Biodegradability:

- >60% in 28 days (OECD 301B)

Bioaccumulation:

- Low potential

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Non-hazardous (India)

Preferred Method::

- Incineration or recycling

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods

15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant



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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.