



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:**

- **Hydrogenated Castor Oil Flakes**
- **Synonyms:** Castor Wax, HCO Flakes, Hydrogenated Ricinus Communis 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](mailto:business@swadeshindia.in)
- Website: [www.swadeshindia.in](http://www.swadeshindia.in)

**Recommended Use:**

- Cosmetics, pharmaceuticals, lubricants, coatings

### 2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Hydrogenated Castor Oil	8001-78-3	≥ 98%

**Additional Notes:**

- **Impurities:** May contain trace ethylene oxide (<1 ppm) from manufacturing.



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## 3. HAZARDS IDENTIFICATION

### GHS Classification:

- Not classified as hazardous under normal conditions.

### Potential Hazards:

- Slight eye irritation (mechanical abrasion from flakes).
- Slippery when melted or wet.

### Precautionary Statements (P-Codes):

- Avoid dust generation during handling.
- Use appropriate PPE when handling hot material.

## 4. FIRST AID MEASURES

- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with soap and water. No special treatment required.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek medical advice if large amounts are swallowed.
- **Inhalation:** Move to fresh air. If respiratory irritation occurs, seek medical attention.

## 5. FIRE FIGHTING MEASURES

- **Extinguishers:** Water spray, CO<sub>2</sub>, dry chemical powder, foam.
- **Special Hazards:** Combustible at high temperatures (>200°C).  
May produce CO, CO<sub>2</sub>, and acrid smoke when burned.
- **Firefighting PPE:** Self-contained breathing apparatus (SCBA) and full protective gear for large fires.

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
  - **Small spills:** Sweep or collect with non-sparking tools.
  - **Large spills:** Contain with inert absorbent material.
- **Environmental Precautions:**
  - Prevent entry into drains or waterways.



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## 7. HANDLING AND STORAGE

- **Handling:**
  - Avoid dust formation.
  - Use good ventilation in enclosed spaces.
- **Storage:**
  - Store in a cool, dry, well-ventilated area (<30°C).
  - Keep away from strong oxidizers, heat sources, and open flames.
  - Shelf Life: 24–36 months if stored properly.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General ventilation is sufficient.
- **PPE:**
  - Gloves: Not typically required (nitrile for prolonged contact).
  - Eye Protection: Safety goggles (if handling flakes).
  - Respiratory Protection: Dust mask (N95) if airborne particles are present.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White to off-white flakes
Odor	Slight characteristic odor
Melting Point	85–88°C
Solubility	Insoluble in water; soluble in oils, warm alcohols
Bulk Density	0.4–0.6 g/cm <sup>3</sup>
Flash Point	>200°C (non-flammable under normal conditions)

## 10. STABILITY AND REACTIVITY

- **Chemical Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- **Hazardous Decomposition Products:** CO, CO<sub>2</sub>, smoke when heated to decomposition.



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## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity (Oral, Rat):

- LD<sub>50</sub> > 5000 mg/kg (practically non-toxic).

### Skin Sensitization:

- Non-irritating (OECD 404).

### Eye Irritation:

- May cause mild mechanical irritation.

### Carcinogenicity:

- Not classified (IARC/NTP).

## 12. ECOLOGICAL INFORMATION

### Biodegradability:

- Readily biodegradable (>60% in 28 days, OECD 301).

### Aquatic Toxicity:

- LC<sub>50</sub> (fish, 96h) > 100 mg/L (low hazard).

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

- Dispose of in accordance with local regulations as non-hazardous waste.

## 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.