



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Methyl Ricinoleate**
- **Synonyms:** Ricinoleic Acid Methyl Ester; Methyl 12-Hydroxy-9-octadecenoate

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:

- Bio-lubricant base stock, plasticizer intermediate, cosmetic ingredient

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Methyl Ricinoleate	141-24-2	≥90%

Additional Notes:

- **Impurities:** Acid Value: ≤2 mg KOH/g



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Not classified as hazardous

Potential Effects:

- May cause mild eye irritation
- Prolonged skin contact may cause dryness

4. FIRST AID MEASURES

- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present.
- **Skin Contact:** Wash with plenty of soap and water.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical advice if symptoms occur.
- **Inhalation:** Move to fresh air (unlikely at room temperature due to low volatility).

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** Foam, CO₂, dry chemical powder
- **Flash Point:** 185°C (PMCC)
- **Autoignition Temp.:** 365°C
- **Special Hazards:** Use water spray to cool containers

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- Personal Precautions: Wear protective equipment
- Containment Methods: Absorb with inert material (sand, vermiculite)
- Environmental Precautions: Prevent entry into drains/surface waters

7. HANDLING AND STORAGE

- **Handling:**
 - Avoid contact with eyes and prolonged skin contact
 - Use in well-ventilated areas
- **Storage:**
 - Store in tightly closed containers
 - Keep away from strong oxidizers
 - Recommended storage temp: 15-30°C



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General ventilation
- **PPE:**
 - Safety glasses with side shields
 - Nitrile gloves
 - Chemical-resistant apron (for large quantities)

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Pale yellow liquid
Odor	Faint, characteristic
Boiling Point	~220°C (5 mmHg)
Density (20°C)	0.92-0.94 g/cm ³
Viscosity (25°C)	25-35 mPa·s

10. STABILITY AND REACTIVITY

- **Chemical Stability:** Stable under recommended conditions
- **Incompatible Materials:** Strong oxidizers, agents
- **Hazardous Decomposition Products:** May form CO/CO₂ when heated to decomposition

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral, Rat):

- Oral LD50 (rat): >5000 mg/kg
- Dermal LD50 (rabbit): >2000 mg/kg

Irritation:

- Skin: May cause mild irritation
- Eyes: May cause slight irritation



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12. ECOLOGICAL INFORMATION

Biodegradability:

- Readily biodegradable (>80% in 28 days)

Aquatic Toxicity:

- Fish LC50 (96h): >100 mg/L
- Daphnia EC50 (48h): >100 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose as per local regulations for fatty acids.
- 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

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.