



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Polyricinoleic Acid (PRA)**
- **Synonyms:** Polyglycerol Polyricinoleate (PGPR) precursor; Polymerized Castor Oil Acid

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:

- Food additive (E476 precursor); industrial lubricant; cosmetic emollient

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Polyricinoleic Acid	29894-35-7	≥95%

Additional Notes:

- **Impurities:** Acid Value: 150-170 mg KOH/g
 - Iodine Value: 70-90 g I₂/100g



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Not classified as hazardous

Potential Concerns:

- May cause mild eye irritation
- Viscous liquid - potential slip hazard

4. FIRST AID MEASURES

- **Eye Contact:** Rinse immediately with plenty of water for ≥ 15 minutes.
- **Skin Contact:** Wash thoroughly with soap and water.
- **Ingestion:** Rinse mouth. Drink water. No medical attention typically needed.
- **Inhalation (dust):** Not expected to be hazardous at room temperature.

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** Foam, CO₂, dry chemical
- **Flash Point:** $> 200^{\circ}\text{C}$
- **Special Hazards:** Forms dense smoke when heated
- **Firefighting PPE:** SCBA and chemical-resistant suit

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - Small Spills: Absorb with inert material
 - Large Spills: Contain with sand or earth
- **Environmental Precautions:**
 - Low water hazard

7. HANDLING AND STORAGE

- **Handling:**
 - Use normal precautions for handling chemicals
- **Storage:**
 - Keep in tightly closed containers at $< 30^{\circ}\text{C}$
 - **Shelf Life:** 24 months



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General ventilation sufficient
- **PPE:**
 - Gloves: Nitrile
 - Eye Protection: Safety glasses
 - Clothing: Lab coat

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Viscous yellow liquid
Odor	Characteristic fatty
Viscosity @ 25°C	5,000-15,000 cPs
Solubility	Dispersible in oils

10. STABILITY AND REACTIVITY

- **Chemical Stability:** Hygroscopic (absorbs moisture from air)
- **Incompatible Materials:** Strong oxidizers
- **Hazardous Decomposition Products:** Above 250°C

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral, Rat):

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

Skin Sensitization:

- Non-irritating

Sensitization:

- Low potential



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12. ECOLOGICAL INFORMATION

Biodegradability:

- >80% (OECD 301)

Aquatic Toxicity:

- LC50 (fish, 96h): >100 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Incinerate or landfill according to 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.