



MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Cardanol Phenol Ethoxylated (10 EO)**
- **Synonyms:** Ethoxylated Cardanol (10 EO), Cardanol POE (10), Nonionic Surfactant

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:

- Surfactant (emulsifier, wetting agent, industrial applications)

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Cardanol Phenol Ethoxylated (10 EO)	39464-70-5	99-100%

Additional Notes:

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



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Skin Irrit. 2 (H315)
- Eye Irrit. 2 (H319)
- Aquatic Chronic 2 (H412)

Hazard Statements (H-Codes):

- "Causes skin and eye irritation. Toxic to aquatic life with long-lasting effects."

Precautionary Statements (P-Codes):

- P273 - Avoid release to environment
- P302+P352 - IF ON SKIN: Wash with soap/water

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air; seek medical attention if breathing difficulty occurs.
- **Skin Contact:** Wash with soap and water; remove contaminated clothing.
- **Eye Contact:** Rinse immediately with water for 15 mins; consult an ophthalmologist if irritation persists.
- **Ingestion:** Rinse mouth, drink water; **DO NOT induce vomiting.** Seek medical help if symptoms appear.

5. FIRE FIGHTING MEASURES

- **Extinguishers:** Alcohol-resistant foam, CO₂, dry chemical
- **Flash Point:** >150°C
- **Autoignition Temp:** ~250°C
- **Hazardous Combustion Products:** CO, CO₂

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - **Small Spills:** Absorb with inert material (vermiculite, sand)
 - **Large Spills:** Contain with dikes; recover liquid for reuse/disposal
 - **Environmental:** Report spills to local authorities if entering waterways



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7. HANDLING AND STORAGE

- **Handling:**
 - Use nitrile gloves; avoid mist formation.
- **Storage:**
 - Keep in HDPE/stainless steel containers at 15-30°C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation.
- **PPE:**
 - Nitrile gloves, safety goggles, lab coat.
 - **Ventilation:** General room ventilation sufficient.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Amber to brown viscous liquid
Odor	Mild phenolic
Viscosity @ 25°C	100-200 cPs
Cloud Point (1% aq.)	50-70°C (varies)

10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under normal conditions

Incompatible Materials:

- Strong oxidizers
- Strong acids/bases

Hazardous Decomposition Products:

- Carbon monoxide, carbon dioxide



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Oral (Rat) LD50: >5,000 mg/kg
- Dermal (Rabbit) LD50: >2000 mg/kg

Skin Irritation:

- Mild irritation (Rabbit test)

Eye Irritation:

- Moderate irritation (Rabbit test)

Chronic Effects:

- Not classified as carcinogenic

12. ECOLOGICAL INFORMATION

Biodegradability:

- ~80% (OECD 301F, estimated).

Aquatic Toxicity:

- Fish LC50 (96h): 10-50 mg/L (estimated).
- Algae EC50 (72h): 5-20 mg/L (estimated).

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose in accordance with local regulations. Incineration recommended.

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods



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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.