



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:**

- **Diethyl Phthalate (DEP)**
- **Synonyms:** DEP, Phthalic Acid Diethyl Ester, Ethyl Phthalate

**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:**

- Plasticizer, solvent, fixative in perfumes, cosmetic formulations

### 2. COMPOSITION/INGREDIENT INFORMATION

| Component         | CAS No. | Concentration (%) |
|-------------------|---------|-------------------|
| Diethyl Phthalate | 84-66-2 | ≥99.0%            |

**Additional Notes:**

- May contain traces of monoethyl phthalate



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## 3. HAZARDS IDENTIFICATION

### GHS Classification:

- Not classified as hazardous (under normal conditions of use)

### Hazard Statements (H-Codes):

- None (Generally regarded as low toxicity)

### Precautionary Statements (P-Codes):

- P262: Do not get in eyes, on skin, or on clothing
- P280: Wear protective gloves/protective clothing

## 4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist
- **Skin Contact:** Wash with plenty of soap and water
- **Eye Contact:** Rinse cautiously with water for several minutes; seek medical attention
- **Ingestion:** Rinse mouth; do NOT induce vomiting; seek medical advice

## 5. FIRE FIGHTING MEASURES

- Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical powder
- Flash Point: 160°C (closed cup)
- Autoignition Temp.: 457°C
- Special Hazards: Combustion may produce carbon monoxide and other toxic gases

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

- Personal Precautions: Wear appropriate PPE
- Containment Methods: Absorb with inert material (sand, earth)
- Environmental Precautions: Prevent entry into waterways or drainage systems



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## 7. HANDLING AND STORAGE

- **Handling:**
  - Avoid contact with eyes and skin; use in well-ventilated areas
- **Storage:**
  - Store in tightly closed containers in a cool, dry place away from heat sources

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation recommended
- **PPE:**
  - **Respiratory:** Not normally required (use of vapor/mist present)
  - **Skin Protection:** Nitrile or neoprene gloves
  - **Eye Protection:** Safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Property            | Value                       |
|---------------------|-----------------------------|
| Appearance          | Clear, colorless liquid     |
| Odor                | Odorless to slight aromatic |
| Boiling Point       | 298°C                       |
| Melting Point       | -40.5°C                     |
| Density (20°C)      | 1.118 g/cm <sup>3</sup>     |
| Solubility in Water | 0.1 g/L (20°C)              |

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

- Stable under recommended conditions

### Incompatible Materials:

- Strong oxidizers, strong acids, strong bases



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## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

- $LC_{50}$  (rat): 8,600 mg/kg (oral)

### Skin Effects:

- May cause mild irritation

### Eye Irritation:

- May cause slight irritation

## 12. ECOLOGICAL INFORMATION

- **Biodegradability:** Readily biodegradable
- **Aquatic Toxicity:**  $LC_{50}$  (Fish): >100 mg/L

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

- Dispose in accordance with local, state, and federal 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



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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.