



SVP CHEMICALS PVT. LTD.

B.C. 85, Lytton Road, Camp, Belgaum-590001 (Karnataka) INDIA.

Ph.- +91 -831-2421585, 2423585 Fax- +91 -831-2428298

Email: info@svpchemicals.com Website: www.svpchemicals.com

Material Safety Data Sheet

According to 1907/2006/EC, Article 31

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Identification of the substance or preparation

Product name : Diethyl Phthalate

Registration Number : 01-2119486682-27-0001

Use of the substance/preparation

Diethyl phthalate is used

- Air care products
- Laboratory chemicals
- Perfumes, fragrances
- Pharmaceuticals
- Washing and cleaning products (including solvent based products)
- Cosmetics, personal care products
- Coatings and paints, thinners, paint removes
- Fillers, putties, plasters, modeling clay
- Polishes and wax blends
- Polymer preparations and compounds

Company/undertaking identification

SVP Chemicals,

B.C 85, Lytton Road, Camp,

Belgaum – 590001, Karnataka, India.

Phone : +91-821-2423585

E-mail : info@svpchemicals.com

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2. HAZARDS

IDENTIFICATION

Classification of the GHS

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS Not classified

ENVIRONMENTAL HAZARDS Not classified

GHS label elements

Pictograms or hazard symbols None

Signal word No signal word

Hazard statement None

Precautionary statements None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Substance

Component(s) : Diethyl Phthalate

CAS Number : 84-66-2

Percent : >99.0%(GC)

EC-No : 201-550-6

Synonyms : Phthalic Acid Diethyl Ester

Chemical Formula : C₁₂H₁₄O₄



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4. FIRST AID MEASURES

General advice	: Special treatment by a doctor may be required as soon as possible, in case of exposure to the substance or its vapor
Inhalation	: Remove casualty from exposure ensuring one's own safety whilst doing so.
Skin contact	: Wash immediately with plenty of water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Eye contact	: Bathe the eye with running water for 15 minutes.
Ingestion	: Do not induce vomiting. Wash out mouth with water. If conscious, give half a Liter of water to drink immediately. Consult a doctor

5. FIRE FIGHTING MEASURES

Flammability of the Product	: May be combustible at high temperature.
Auto-Ignition Temperature	: 457.22°C (855°F)
Flash Points	
CLOSED CUP	: 117°C (242.6°F)
OPEN CUP	: 161.11°C (322°F)
Flammable Limits	: LOWER: 0.7%
Products of Combustion	: These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances:	Slightly flammable-to-flammable in presence of open flames and sparks of heat.

Fire Fighting Media and Instructions

SMALL FIRE	: Use DRY chemical powder.
LARGE FIRE	: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	: When heated to decomposition it emits acrid smoke and irritating fumes.



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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.
- Environmental precautions : Do not discharge into drains or rivers. Contain the spillage using bunding.
- Methods for cleaning up : Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

- Handling : Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.
- Storage : Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Avoid incompatible materials and conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure limits (OELs)

ACGIH Threshold Limit Value (TLV) : 10 ppm, 5 mg/m³ (TWA)

Personal protective equipment

- Respiratory : Self-contained breathing apparatus.
- Eye : Closely fitted Safety goggles.
- Hand : Impervious gloves.
- Skin and body : Approved work boots, protective clothing.
- Hygiene measures : Wash hands before food and at the end of workday.
- Other devices : Maintain eye wash facility in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C) : Liquid



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Form	: clear
Color	: Pale yellow
Odor	: Faint odor
Melting point/freezing point	: -60 °C
Boiling Point/Range	: 297.3 °C
Flash Point	: 170.0 °C
Explosive limits	: Not explosive
Vapor Pressure	: <28 hPa at 25°C
Density	: 1.1181 g/cm ³
Viscosity	: 11.53 mm ² /s at 20.0°C
Solubility	: 932 mg/L at 20°C and pH 7.2.
log Pow	: 2.2 at 41 °C
Autoignition Temperature	: 440°C at 98.4 Kpa

10. STABILITY AND REACTIVITY

Stability	: Stable at normal conditions.
Reactivity	: No special reactivity has been reported.
Incompatible materials	: Strong acids such as nitric acid, strong oxidizing agents and permanganates. DEP will attack some forms of plastics, rubber and coatings.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	: Orl-rat LD50 5591 mg/kg bw Dermal-rat LD50 1118 mg/kg bw
Skin corrosion/irritation	: Not irritating



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Serious eye damage/irritation	: Slightly irritating
Skin sensitization	: Not sensitizing
Germ cell mutagenicity	: Negative
Carcinogenicity	: Negative; skn-mice NOAEL: 1015 mg/kg bw/day
Reproductive toxicity	: No adverse effects
Effects on fertility	: Orl-rat NOAEL: 222 mg/kg bw/day
Developmental toxicity	: Orl-rat NOAEL: 1910 mg/kg bw/day Dermal-rat NOAEL: 1000 mg/kg bw/day
STOT-single exposure	: NOAEL: 150 mg/kg bw/day (subchronic; orl-rat)
STOT-repeated exposure	: No data available

12. ECOLOGICAL INFORMATION

Eco toxicity:

Fish:	Fresh water	: 96 hour LC50 – 12 mg/L
	Marine water	: 96 hour LC50 – 29 mg/L
Daphnia		: 48 hour LC50 – 90 mg/L
Algae	EC50	: 45 mg/L
	NOEC	: 9 mg/L
Persistence / degradability		: not persistent
Bioaccumulative potential (BCF)		: 13.14 L/kg
Mobillity in soil		
	Log Pow	: 2.2
	Soil adsorption (Koc)	: 150 - 500



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Henry's Law

Constant (PaM³/mol) : 0.0399

13. DISPOSAL CONSIDERATIONS

Waste Number : U088

Disposal method : It is banned from land disposal according to RCRA. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a approved waste facility. Processing, use or contamination of this product may change the waste management options.

Contaminated Packaging : Dispose of container and unused contents in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Not regulated as a hazardous material under IMDG or IATA or ADR/RID

Road transport ADR/RID	Class	: NA	Number letter	: NA
	Warning sign	: NA	UN No	: NA
Maritime transport IMDG	Class	: NA	UN No	: NA
	EmS number	: NA	Packaging group	: NA
Air transport ICAO/IATA	Class	: NA	UN No	: NA
			Packaging group	: NA



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15. REGULATORY INFORMATION

In accordance with local and national regulations

16. OTHER INFORMATION

The information provided in this safety data sheet is given in good faith and is correct to the best of our knowledge and information at the date of publication. It is designed only as guidance for safe handling, storage, transportation, use and disposal. No warranty is expressed.

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