



SAFETY DATA SHEET

EP 300 Part B

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME EP 300 Part B

SUPPLIER **ARDEX ENDURA (INDIA) PRIVATE LIMITED**
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2. HAZARDS IDENTIFICATION

R45 : May cause cancer

R39/23/24/25 : Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

R48/20/21/22 : Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

R62 : Possible risk of impaired fertility

R61 : May cause harm to the unborn child.

R43 : May cause sensitisation by skin contact.

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

| Hazardous Ingredient(s) | Symbol | Risk Phrases | Other Information | Content |
|------------------------------|--------|--------------------------------------|-------------------|-----------|
| 4,4'-diaminodiphenyl methane | T, N | R45-39/23/24/25-48/20/21/22-43-51/53 | Cas No: 101-77-9 | >25 <50 % |
| dibutyl phthalate | T, N | R61, 62, 50 | Cas No: 84-74-2 | >50 % |

Refer to Section 8 for Occupational Exposure Limits.

4. FIRST-AID MEASURES

INHALATION

Remove from exposure, rest and keep warm and obtain medical attention urgently.

INGESTION

Wash out mouth with water and give sips of cold water to soothe the affected parts. Do NOT induce

SKIN CONTACT

Wash immediately with soap and water or suitable skin cleanser. Obtain medical advice if skin disorders develop. Remove contaminated clothing immediately.

EYE CONTACT

Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

VOMITING

Obtain medical attention urgently.

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Carbon dioxide, powder, foam or water fog - Do not use water jets.

SPECIAL EXPOSURE HAZARDS

Toxic fumes. For further information see Section 10.

SPECIAL PROTECTIVE EQUIPMENT

Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear suitable protective clothing, gloves and eye/face protection.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains, sewers and water courses.

DECONTAMINATION PROCEDURES

Soak up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Maintain good standards of personal hygiene. Ensure adequate ventilation. Do not eat, drink or smoke whilst using this product. Do not use near sources of ignition. Avoid breathing vapours. Avoid skin and eye contact. Never transfer to an unlabelled container.

STORAGE PRECAUTIONS

Store in cool, dry area. Keep away from foodstuffs and food containers. Store only in original Container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

| Substance | 8 Hour TWA | STEL | Source/Other Information |
|---|------------------------------|----------------------|--------------------------|
| 4,4'-methylenedianiline (4,4'-diaminodiphenyl methane) | 0.08 mgm ⁻³ (MEL) | ---- | EH 40 |
| dibutyl phthalate | 5 mgm ⁻³ | 10 mgm ⁻³ | EH 40 |

ENGINEERING CONTROL MEASURES

Use only in well ventilated areas. Local exhaust ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

In case of insufficient ventilation wear suitable respiratory equipment. (Class 1 respirator CE marked to EN 140, with EN 141/143 Type A1 filter.). Avoid skin and eye contact. Impervious gloves (eg PVC). Goggles (Conforming to EN 166). Change contaminated clothing immediately and clean before re-use. A high standard of personal hygiene is essential.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------|-------------------------------|
| Physical State | Liquid. |
| Colour | Brown. |
| Odour | Amine. |
| PH(concentrate) | Not applicable (non-aqueous). |
| pH(working dilution) | |
| Boiling Point/Range (°C) | >200 |
| Melting Point/Range (°C) | |
| Flash Point (closed, °C) | 130 |
| Autoflammability (°C) | Not determined. |
| Viscosity (at 20°C) | |
| Explosive Properties (%) | |
| Oxidising Properties | Not determined. |
| Vapour Pressure (kPa at 20°C) | 0.01 |

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| | |
|--|-----------|
| Relative Density (at 20°C) | 1.15 |
| Water Solubility | Insoluble |
| Fat Solubility | |
| Partition Coefficient (noctanol/water) | |
| Other data | |

10. STABILITY AND REACTIVITY**STABILITY**

Stable.

CONDITIONS TO AVOID

Any source of ignition.

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition:- Oxides of carbon. Nitrogen compounds, in some fire circumstances, hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components:

Oral LD50, rat >1630 mg/kg

Health Effects**INHALATION**

Toxic by inhalation. May cause respiratory irritation.

INGESTION

Toxic if swallowed. May cause nausea, vomiting and diarrhoea.

SKIN CONTACT

Harmful by absorption through the skin. Moderately irritating. May cause sensitisation.

EYE CONTACT

Irritating and may injure eye tissue if not removed promptly.

CHRONIC

Based on the results of studies on experimental animals (rodents) 4,4'-diaminodiphenyl methane has shown to be an animal carcinogen. If absorbed into the body by ingestion, inhalation or by contact with skin or eyes it may cause damage to liver, kidney and eyes, especially from excessive exposure by accident or misuse.

12. ECOLOGICAL INFORMATION**ENVIRONMENTAL ASSESSMENT**

When used and disposed of as intended, no adverse environmental effects are foreseen.

MOBILITY

Mobile liquid. Insoluble in water.

PERSISTENCE AND DEGRADABILITY

Expected to be not readily biodegradable.

BIOACCUMULATIVE POTENTIAL

Not known.

ECOTOXICITY

Expected to be ecotoxic to fish/daphnia/algae.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

UNUSED PRODUCT

Classified as a special waste. Dispose of through an authorised waste contractor to a licensed site.

USED/CONTAMINATED PRODUCT

As for Unused product.

EP 300 Part B**PACKAGING**

Must be disposed of through an authorised waste contractor.

14. TRANSPORT INFORMATION

UN Number : 2810

IMO : Class: 6.1 Packing Group: II Marine Pollutant: Yes

IATA/ICAO : Class: 6.1 Packing Group: II

ADR : Class: 6.1 Item: 14(b)

Transport Name : Toxic liquid, organic mixture, nos (Alkylated phenols)

Hazchem/Kemler Code : 2Z / 60

15. REGULATORY INFORMATION**HAZARD LABEL DATA**

Named Ingredients: 4,4'-diaminodiphenylmethane alkylated phenols

UN Number: 2810

Symbol(s): T, N

RISK PHRASES

- | | |
|--------------|--|
| R45 | May cause cancer |
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TOXIC



Dangerous for the Environment

SAFETY PHRASES

- | | |
|-----------|--|
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S53 | Avoid exposure - obtain special instructions before use. |
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) |
| S61 | Avoid release to the environment. Refer to special instructions / Safety data sheet. |
| S001 | Restricted to professional users. |

EC DIRECTIVES

Dangerous Substances Directive, 67/548/EEC and adaptations.

Dangerous Preparations Directive, 88/379/EEC.

Safety Data Sheets Directive, 91/155/EEC.

Carcinogens Directive, 90/394/EEC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).

Health & Safety at Work, etc. Act 1974.

Control of Substances Hazardous to Health Regs. 1999 (SI 3246).

The Special Waste Regulations 1996 (SI 972).

CODES OF PRACTICE

Control of substances hazardous to health & control of carcinogenic substances (L5). Waste Management. The Duty of Care.

GUIDANCE NOTES

Occupational skin diseases: health and safety precautions (EH 26). Occupational exposure limits (EH 40).

The above publications are available from HMSO

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16. OTHER INFORMATION

TRAINING ADVICE : The details of this data sheet must be passed on to all personnel handling the product.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.