

Diethyl Phthalate (DEP) TDS

Re-Plastic Global

TECHNICAL DATA SHEET (TDS)

Diethyl Phthalate (DEP)

CAS No.: 117-81-7

1. Product Introduction

Diethyl Phthalate (DEP) is a general-purpose plasticizer widely used in PVC processing. It provides excellent flexibility, durability, and processing performance.

It is mainly used in the production of polyvinyl chloride (PVC) resin, and can also be applied in other polymer systems such as acetate resins, ABS resins, and rubber compounds.

DEP plasticized PVC products are widely used in:

- Artificial leather
 - Agricultural films
 - Packaging materials
 - Electric cables and wires
 - Flooring and industrial products
 - Paints, coatings, dyes, and dispersants
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2. Product Specification

Item	Index
Appearance	Transparent oily liquid without visible impurities
Purity	≥ 99.5%
Color (APHA)	≤ 20
Density (20°C), g/cm ³	0.982 – 0.988
Acidity (as phthalic acid), %	≤ 0.010
Moisture, %	≤ 0.10
Flash Point, °C	≥ 196

3. Packaging

- 200 kg steel drum: 16 MTS / 20GP (without pallet)
- 1000 kg IBC drum: 20 MTS / 20GP
- Flexitank: 23 MTS / 20GP

4. Storage & Handling

Store the product in a cool, dry, and well-ventilated place.

Avoid direct sunlight, rain exposure, and keep away from heat and water sources.

The product is non-flammable and non-explosive under normal conditions.

5. Manufacturer / Supplier Information

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6. Disclaimer

The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is intended to describe the product for general guidance only and does not constitute a guarantee of specific properties.