



Diethyl phthalate (DEP)

English name: Diethyl phthalate

Chemical formula: C₁₂H₁₄O₄

Molecular weight: 222.24

CAS: 88-46-2

Quality standard:

item	index	
	Superior quality	Up to standard
appearance	Clear, undiscernible oily liquid	
Color number (platinum - cobalt), ≤	20	30
Acid value (in phthalic acid), % ≤	0.1	0.2
Density (20°C), g/cm ³	1.118~1.122	
Content (GC), % ≥	99.5	99.0
Moisture, % ≤	0.15	0.15

Performance and use

- ① This product is colorless transparent oily liquid, slightly aromatic. Viscosity 13 centipoise (20°C), refractive index 1.499 ~ 1.502 (20°C).
- ② This product can have good compatibility with most resins such as vinyl resin and cellulose. Often used as a cellulose resin plasticizer, it has good low softness and durability. The combination of DMP and DMP can improve the water resistance and elasticity of the product.
- ③ This product can also be used as fragrance diluent, lubricant, gas chromatography fixing liquid, etc.

Packaging, storage and safety

- ① 200L plastic drum packing, net weight 230kg/drum, or according to customer requirements.

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② Store in a dry and ventilated place indoors, and prevent violent impact and rain during transportation.

In case of high heat, open flame or contact with oxidant, there is a risk of burning.

Storage method

Pack in iron drums or glass bottles. Should be stored in a cool, ventilated warehouse, away from fire and heat sources.