



DI ETHYL PHTHALATE (DEP)

Specification	Characteristics	Unit	Value
	Colour	HU	20 max
	Volatile Loss (110°C/1Hrs)	wt.%	0.20 max.
	Ester Value	mg KOH/g	500 – 506
	Acidity	wt.%	0.015 max
	Moisture	wt.%	0.20 max
	Specific Gravity (27°C)	-	1.114 – 1.120
	Ester content	wt.%	99.50 min
	Heat Stability (150°C/2Hrs)	HU	35 HU
	Acidity after heat treatment	wt.%	0.05
	Plasticizing Esters by GC	% by area	99.50 min
	Residual alcohol	% by area	0.020 max

Chemical nature:

- Phthalic acid ester of Ethanol
- Chemical Name :- Di Ethyl Phthalate
- Trade Name :- DEP
- Molecular Formula :- C₁₂H₁₄O₄
- Molecular Weight :- 222
- Molecular Structure :- C H (C O O C H) 6 4 2 5 2
- CAS Number :- 84-66-2
- UN. NO :- 3082
- EINECS NO :- 201-550-6

Chintamani Alkali LLP

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Factory: Shirala MIDC, Plot No. 44, Tal. Shirala, Dist. Sangli



➤ Properties :

DEP is a colourless, transparent oily liquid , slight aromatic odour,

➤ Application:

- 1 as a solvent for nitro-cellulose and cellulose acetate in manufacturing of varnishes & paints.
- 2 as fixative in fragrance/perfumes such as in aggarbatti.
- 3 as alcohol denaturant.
- 4 as a camphor substitute

➤ Packing & Storage:

DEP is packed in 200kg HDPE drum, 20 - 22 MT in Flexi tank / ISO Tank / Road tanker. It is stored in tightly closed container, in a cool, dry & ventilated area. Isolate from incompatible substance

➤ Self Life:

Original characteristics remain intact for 24 months, if kept in recommended storage



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