

## Cellulose Acetate Grade

### Description

**Chemical Formula – C<sub>12</sub> H<sub>14</sub> O<sub>4</sub>**

Diethyl Phthalate is a colourless liquid.

### Specification

Characteristics	Specification	
Color, Pt-Co Scale, APHA	Max	30
Odor	Odorless	
Acidity as Phthalic Acid, Wt %	Max	0.01
Specific Gravity @ 25 <sup>o</sup> C	1.115 - 1.118	
Viscosity @ 25 <sup>o</sup> C CPS	8 - 12	
Refractive Index @ 25 <sup>o</sup> C	1.500 - 1.505	
Moisture content, Wt %	Max	0.30
Ester content, Wt %	Min	99.00
Purity by gas chromatography Wt %	Min	99.50
Compatibility with CA (2g CA+10 ml DEP at 220 Deg. C for 40 minutes)	Gelatinized without brown or yellow color	
Free sulphate, ppm	Max	10

### Packaging

Diethyl Phthalate is in liquid form. It is packed in HMHDPE barrels of diameter 572 mm and height 935 mm & in 1.0 Mt IBC. It is also supplied in ISO container.

### Full Container Load

1. Packed in 225 Kg, Barrels  
80 Barrels x 225 kgs = 18 MT/FCL
2. Packed in 250 Kg, Barrels  
80 Barrels x 250 kgs = 20 MT/FCL
3. ISO container – 22 -24 MT net
4. Packed in 1.0 Mt IBC  
18 IBC X 1.0 MT – 18 MT
5. Packed in 1.125 Mt IBC  
18 IBC X 1.125 MT – 20.25 MT

**For further details please contact  
Chemidye Manufacturing Company**

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## **Storage & Handling**

Diethyl Phthalate should be stored in a cool, dry, well ventilated area away from sources of ignition. Wear safety goggles, rubber gloves, apron and overalls while handling the material.

## **Applications**

Diethyl Phthalate is used,

- As a solvent for nitro-cellulose and cellulose acetate in manufacturing of varnishes & paints.
- In the manufacture of insecticides and mosquito repellants.
- As additive in polysulfide rubber to reduce shear strength & for easy mixing.
- As a dye accelerate for triacetate dyes.
- As alcohol denaturant.
- In solid rocket propellants.