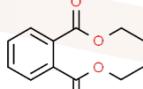


TECHNICAL SPECIFICATION



DIETHYL PHTHALATE

1. Basic Information

Product Name	Diethyl Phthalate
Structural Formula	 The structural formula of Diethyl Phthalate is shown. It consists of a central carbon atom bonded to two ethyl groups (represented by two lines with a 'C' and a 'CH ₃ ' group) and two phthalate groups. Each phthalate group is attached to a benzene ring via an oxygen atom, and the central carbon of the phthalate group is also bonded to two more oxygen atoms, one from each ethyl group.
Molecular Formula	C ₁₂ H ₁₄ O ₄
Molecular Weight	222.24
CAS No.	84-66-2
EC No.	201-550-6
Main Applications	<ul style="list-style-type: none">- DEP is mainly used as solvent for fragrances not soluble in water;- DEP is also used as first choice plasticizer for cellulose acetate;- In the Pharmaceutical industry, DEP is used as a plasticizer in polymers device and in tablets coating.

2. Specifications

Characteristics	Unit	Value	Method
Appearance		Clear liquid, free from visual suspended matter	
Colour	APHA/Hazen	<=20	AM 018
Odour		Very mild	AM 074
Acidity as Phthalic acid	%	<=0.01	AM 006
Water content	%	<=0.05	AM 023
Ester content	%	>=99.0	AM 999
Boiling point @760 mmHg	°C	296	
Density @ 20°C	g/ml	1.12	
Melting point	°C	-40	
Flash point (closed cup)	°C	152	

3. Additional Information

Storage	The packaged material shall be kept into its original packaging, in cool and well ventilated place, neither under rain nor in wet places, away from flames and heating sources. The bulk material shall be stored in stainless steel tanks, under nitrogen blanketing; for a long lasting quality the material shall be kept at ambient temperature (ideally not above 30°C) and away from any flame or concentrated heat source.
Shelf life	3 years from production date