



COREPLAST DOTP

CHEMICAL NAME Bis(2-ethylhexyl) terephthalate

Molecular Formula C₂₄H₃₈O₄

Cas No 6422-86-2

Einecs No 229-176-9

PRODUCT FEATURES

- ✓ DOTP is the ester of terephthalic acid and 2-ethylhexanol. It is a clear, colorless liquid, which is insoluble in water. Dioctyl terephthalate is a very important phthalate-free plasticizer for PVC, preferred over low-chain and ortho-phthalate plasticizers as it is considered a safer alternative due to its lower toxicity.
- ✓ DOTP is used mainly to plasticize vinyl resin where good processing characteristics are needed, and the finished product requires low temperature flexibility and low volatility.

USE AREA

- ✓ DOTP is a general purpose PVC plasticizer that can be used as a phthalate replacement and it's environmentally safer than most orthophthalate plasticizers.
- ✓ DOTP is suitable for applications including film & sheet, calendaring, gaskets, O-rings, dip molding, rotational molding, slush molding, injection molding, automotive parts, coated fabrics, flooring, wall coverings, and wire & cable.

MKS DevO Chemicals

Istanbul Head Office:

Ayazağa Mah. Kemerburgaz Cad.
Vadi İstanbul Park Sitesi 7B Blok
No: 7C İç Kapı No : 82
Sarıyer/İstanbul
Tel: + 90 212 444 4 657

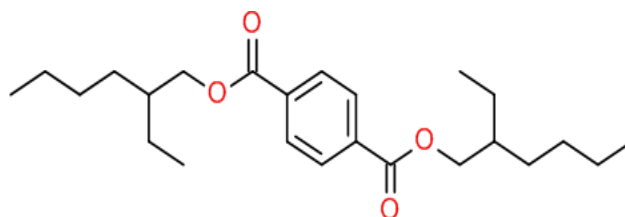
Factory:

Bandırma Organize Sanayi Bölgesi
Bandırma, Balıkesir Turkey
Tel : +90 266 781 10 62

www.mksdevo.com/ info@mksdevo.com

Dioctyl Terephthalate (DOTP)

STRUCTURE



PHYSICAL PROPERTIES

Analysis	Standard Method	Unit	Standard
DOTP Ester Content	GC	%	Min. 99,50
% 2-EHA	GC	%	Max. 0,20
% Water	Karl Fischer	%	Max. 0,05
% Acid Number	ASTM D-1045	mg KOH/gm	Max. 0,10
Color APHA	ASTM D-5386	Hazen	Max. 25
Specific Gravity @ 25 °C	TS 1724 EN ISO 1675	g/cm ³	0,98-0,99
Flash Point	ASTM D-92 Open cup	°C	Min. 210
Odor			Specific

SAFETY

DOTP requires handling with care and in accordance with good safety practices. Avoid breathing vapors by providing adequate ventilation and wearing mask. Always refer to the Material Safety Data Sheet (MSDS) for detailed information.

PACKAGE

DOTP is available in bulk, tank trucks, IBC tanks or barrels.

STORAGE

DOTP has an almost unlimited shelf life when it is properly stored in closed and dry containers with a temperature of less than 25 C°.