

DETAILS

Name	Dioctyl Phthalate	CAS No.	117-81-7
IUPAC name	Bis(2-ethylhexyl)phthalate	ICSC No.	
Alternative names	DOP, bis-(2-ethylhexyl) phthalate, phthalic acid bis(2-ethylhexyl) ester, 1,2-benzenecarboxylic acid dioctyl ester, DEHP, phthalic acid dioctyl ester, diethylhexyl phthalate.	RTECS	
Molecular formula	C ₂₄ H ₃₈ O ₄	EINECS number	
Molar Mass		EC (Annex I)	204-211-0
Source	ROMANIA	UN number	

SPECIFICATION – DIOCTYL PHTHALATE

Test	Unit	Result
Appearance		Clear
Density at d ₄ ²⁰ , min.	-	0.982
Acidity (phtalic acid), max.	%	0.025
Ester (diethyl-hexyl phtalate), min.	%	99.5
Colour Pt-Co, max.	Hazen units	30
Water (Karl-Fischer), max.	%	0.1
Volatile substances, max.	%	0.2

INFORMATION

Uses

DEHP is widely used as a plasticizer in manufacturing of articles made of PVC. Plastics may contain 1% to 40% of DEHP. It is also used as a hydraulic fluid and as a dielectric fluid in capacitors. DEHP also finds use as a solvent in lightsticks.

Plasticizer for PVC and other resins. Flexible PVC industry – flooring, wire & cables, shoes, cars, pipe, tubes, profiles. Liquid used in vacuum pumps. Dielectric fluid. Permitted component in food packaging material.

Packing

Shipped in 200Kg steel drums
80 drums per 20' FCL
Total 16MT per 20' FCL
Loaded without pallets