

Technical Data Sheet

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Item Name:

DOP

PRODUCT INFORMATION

Chinese Name:	邻苯二甲酸二辛酯
Commodity Name:	Dioctyl Phthalate
Chemical Name:	Dioctyl Phthalate
Other Name:	Bis(2-ethylhexyl) phthalate, Dioctyl Benzene-1,2-Dicarboxylate, 1,2-Benzenedicarboxylic acid
CAS No.:	117-84-0
Molecular Weight:	390.55
Molecular Formula:	$C_{24}H_{38}O_4$
DG Class:	9
UN No:	3082
Packing Group:	III

PRODUCT DESCRIPTION

DOP is a kind of organic ester compounds, commonly used as plasticizer. It's insoluble in water, soluble in ethanol, ethyl ether, mineral oil and most organic solvents.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Transparency liquid
Content by wt %	99 min
Density (20°C) g/ml	1.15 - 1.21
Chroma, (Platinum-cobalt)	30 max
Refractive index (20%)	1.486 - 1.487

MAIN APPLICATION

General level of DOP: widely used in the industry of plastics, rubber, paint and emulsifying agent and so on. PVC plasticized with the DOP can be used in the manufacture of leatheroid, agricultural film, packaging materials, cables, etc.

Electric grade of DOP: excepting the general level of DOP performance, it also has the very good electrical insulating properties, mainly for the production of wires.

Food grade of DOP: mainly for the production of food packaging materials.

Medical grade of DOP: mainly used for the production of medical and health care products, such as disposable medical instruments and medical packaging materials, etc.

PACKING AND SHELF LIFE

Packing: 25/200kg drum

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheet is for informational purposes only and is not intended to be used as a substitute for professional advice. It is recommended to make adaptations to local working conditions and to the raw material to be used.