



Technical Data Sheet

Product Name: Di OctylPhtalat

Chemical Name: Molecular formula: $C_{24}H_{38}O_4$
No.CAS: 117-81-7
Abbreviation: DOP

General Description:

Diocetylphthalate is a clear liquid, with a characteristic odor. It is a flammable product, with air forming explosive mixtures within 0.1-0.2% vol. limits. The product is stable under normal storage and usage conditions, in tightly sealed containers.

Technical Quality Conditions:

Characteristics	MU	Limits	Test methods
Appearance	-	Clear	visual
Isomers of Di-octyl-phthalate, min.	%	99.5	ASTM D 3465
Acidity (phthalic acid), max.	%	0.025	ASTM D 1045
Color, max.	Hazen units	30	SR ISO 2211
Water (Karl Fisher), max.	%	0.1	ASTM E 203
Volatile substances max.	%	0.2	ILL 003/1-04-32

Specific Properties:

Density, g/cm^3	0.982
Boiling temperature, $^{\circ}C$	384
Ignition temperature, $^{\circ}C$	~200

The values of these properties are approximated, and are only for general information and are not part of the technical quality conditions.

Main Applications:

Diocetylphthalate is widely used as a plasticizer in the plastics industry:

- PVC cables;
- wall covering and flooring;
- adhesives;
- synthetic and natural rubber;
- synthetic and natural resins, etc.

Packing and storage:

Product is packed in steel Drums.

It is stored in clean, dry, tightly sealed containers in order to avoid contamination and moisture infiltration.