

DIOCTYLPHTHALATE

Last revision 2011

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
		TYPE A	TYPE B	
Appearance	-	clear		visual
Isomers of Di-octyl-phthalate, min.	%	99.5	98.0	ASTM D 3465
Acidity (phthalic acid), max.	%	0.025	0.08	ASTM D 1045
Color, max.	Hazen units	30	200	SR ISO 2211
Water (Karl Fisher), max.	%	0.1	0.1	ASTM E 203
Volatile substances max.	%	0.2	0.45	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.

TECHNICAL SHEET



Packing and storage:

Product is packed in stainless steel tanks, property of supplier or client.

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

Safety Considerations:

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Attention:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.