

DIOCTYLPHTHALATE

PHARMACEUTICAL & FOOD USE

Last revision 2011

Chemical Name: Molecular formula: C₂₄H₃₈O₄
 No.CAS: 117-81-7
 Abbreviation: DOP

General Description:

Di-octyl-phthalate is colourless liquid, with characteristic odour.
 It is a flammable product; with air gives explosive mixtures within 0.1-0.2% limits.
 The product is stable under normal storage and using conditions, in tightly closed containers.

Technical Quality Conditions:

Characteristics	MU	Limits	Test methods
Appearance	-	clear liquid	visual
Isomers content (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.	%	0.05	ASTM E 203
Volatile substances max.	%	0.15	ILL-003/1-04-32
Heavy metals (Pb)	ppm	<1	ILL-033/1-04-46

Specific Properties:

Density, g/cm ³	0.982
Boiling temperature, °C	384
Ignition temperature, °C	~200

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



Main Applications:

- Plasticizer in plastics industry;
- Obtaining PVC materials and packages for food and pharmaceutical use

Packing and storage:

The product is packed in stainless steel tanks, property of supplier or client.
It's stored in clean, dry and tightly closed reservoirs, to avoid contamination and moisture.

Safety Considerations:

Dioctylphthalate is a toxic product.
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.