

DIOCTYLPHTHALATE (DOP)

GENERAL DESCRIPTION:

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

Chemical Formula: $C_6H_4 (C_8H_{17} O_2)_2$

CAS No: 117-81-7

ES (EINECS): 204-211-0

TECHNICAL QUALITY CONDITIONS:

Technical Data	M.U.	Values	Testing methods
Appearance	-	clear	visual
Isomers content (Dioctylphthalate), min.	%	99.5	ASTM D 3465-00
Acidity (phthalic acid), max.	%	0.025	ASTM D 1045-95
Colour, max.	Hazen units	30	SR ISO 2211-94
Water (Karl Fisher), max.	%	0.1	ASTM E 203-01
Volatiles, max.	%	0.2	STAS 8493-78

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.

APPLICATIONS:

Dioctylphthalate is a plasticizer for the plastics industry. It is used for the production of flooring and wallpaper materials, cabling products, PVC piping, profiles, hoses, foils, films, footwear, gloves, plastisol stretching coatings and cements / sealers.

PACKAGING-STORAGE:

It is transported in stainless steel tankers, provided by either the beneficiary or the supplier. The product should be stored in clean, dry and tightly sealed reservoirs, in order to avoid contamination with dirt and moisture.

SAFETY MEASURES:

Dioctylphthalate is a toxic product. Before handling and using this product, the personnel should be acquainted with hazards incurred.