

# Product Information

## Di(2-Propylheptyl) Phthalate (DPHP)

### Product Description:

Di(2-Propylhexyl) Phthalate, also known as DPHP, is an odorless, clear, colorless liquid. It is almost immiscible in water, but readily soluble in most organic solvents. This product has low volatility due to the low amount of moisture and residual alcohol. It can be used as a direct replacement for DEHP and DINP in many applications. Not as compatible with as many secondary plasticizers as DOP.

### Applications:

Di(2-Propylhexyl) Phthalate is used as a primary plasticizer in PVC and PVC copolymers. Suitable for high temperature applications such as wiring, cabling and automotive interior trim. Its excellent weathering resistance makes it suitable for outdoor applications such as roofing membranes and tarpaulins.

### Chemical Formula:

$C_{28}H_{46}O_4$

### CAS No. :

53306-54-0

### Specifications:

Parameters (units)	Specifications
Colour (Pt-Co)	≤ 20
Volatiles, heated at 130 °C for 3 hrs (%)	≤ 0.10
Ester value (mg KOH/g)	249 - 254
Acidity (%)	≤ 0.010
Moisture (%)	≤ 0.10
Specific gravity, at 27 °C	0.957 - 0.965
Ester content (%)	≥ 99.50
Heat stability, heated to 180 °C for 2 hrs	No change
Acidity, after heat treatment, approx. (%)	0.03
Plasticizing esters (% by area)	≥ 99.50
Residual alcohol (% be area)	≤ 0.10
Volume resistivity (Ω.cm)	$(5.5 \pm 1.0) \times 10^{11}$
Boiling point, at 7 mbar (°C)	251 - 254
Pour point, approx. (°C)	-48
Viscosity, at 20 °C (cP)	120 - 124
Flash point, approx. (°C)	232
Refractive index, at 27 °C	1.483 - 1.486

\*% denoted represents wt/wt %, unless noted otherwise

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## Packaging:

Material is available in 200 kg iron drums, 225 kg HDPE drums and 20 - 22 MT Flexi tank/ISO tank/road tanker. Further packaging options may be available upon enquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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