

# Product Information

## Benzene-Free Plasticizer

### Product Description:

Benzene-Free Plasticizer is a transparent colorless and odorless liquid composed of 1,2-Cyclohexane dicarboxylic acid diisononyl ester, also known as DINCH. It has excellent compatibility, stability and machinability, low volatility and low migration. Benzene-Free Plasticizer can pass the test of 16P, ROHS and SVHC according to REACH regulation. Benzene-Free Plasticizer can be used as primary plasticizer in all kinds of PVC products.

### Applications:

Benzene-Free Plasticizer is used in all kinds of high-class PVC products such as calendaring, extrusion, rigid and half-rigid products. It is recommended for use in children toys, food packaging film, plastic wrap, medical tubes, food-contacted gloves, wallpaper, decorative sheet, and medical blood bag, etc. Benzene-Free Plasticizer is suitable for use with other polar polymers.

### Chemical Formula:

$C_{26}H_{48}O_4$

### CAS No. :

166412-78-8

### Specifications:

Parameters (units)	Specifications
Color, Pt-Co (APHA)	≤ 15
Acid value (mg KOH/g)	≤ 0.1
Ester content (%)	≥ 99.5
Specific gravity, at 20 °C (g/cm <sup>3</sup> )	0.944 - 0.954
Water (%)	≤ 0.1
Flash point (°C)	≥ 210
Rotational viscosity at 25 °C (mPa.s)	40 - 56
Refractive index	1.460 - 1.466
Phthalate (%)	≤ 0.01
Cd (ppm)	≤ 0.6
Sb, As, Ba, Sn, Cr, Pb, Hg, Se (ppm)	≤ 1

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## Packaging:

Material is available in 1000 kg totes. 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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