

## Efka® PL 5646

### general

Efka® PL 5646 is a phthalate free plasticizer for use in PVC, coatings, inks and adhesives. Efka® PL 5646 has been specifically designed for the use as plasticizer in food contact applications.

### chemical nature

1,2-Cyclohexane dicarboxylic acid, diisononyl ester

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### Properties

#### physical form

colorless clear liquid

#### storage

Efka® PL 5646 should be stored in a cool dry place.

#### typical properties (no supply specification)

density at 20 °C	~ 0.95 g/cm <sup>3</sup>
viscosity at 20°C	~ 50 mPa·s
acid value	0.05 mg KOH/g
ester content	> 99.5%
pour point	- 54°C

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### Application

Efka® PL 5646 is a clear, colorless liquid with a hardly noticeable odor. It is soluble in the usual organic solvents and is miscible and compatible with all of the monomeric plasticizers. Efka® PL 5646 is almost insoluble in water.

It is recommended to be used in solvent-based printing-inks with food contact requirements, but also for other coating applications where food contact is essential. Additionally, it shows good properties as solvent in ceramic ink-jet inks.

### recommended concentrations

We recommend to determine the optimum dosage level of Efka® PL 5646 by laboratory trials to achieve optimum performance in the various applications.

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**Validity**

This Technical Data Sheet is valid for all versions of Efka PL 5646.

**Safety**

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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