

Efka[®] PL 5646

Product description Efka[®] PL 5646 is a non-phthalate plasticizer with low odor and low toxicity

Key benefits

Efka[®] PL 5646

- is a phthalate free plasticizer for the use in PVC, coatings and inks, with a very low toxicity profile
- and is a colorless liquid with very low odor
- has been specifically designed for the use as plasticizer in food contact applications
- and imparts excellent miscibility and compatibility with all of monomeric plasticizers
- can be used as plasticizer in adhesives applications (e.g. food packaging adhesives, flooring adhesives)
- is well suitable as solvent for ceramic ink-jet inks

Chemical nature 1,2-Cyclohexane dicarboxylic acid, diisononyl ester

Properties

Physical form Colorless clear liquid

Technical data

(not supply specification)

Density at 20 °C	~ 0.95 g/cm ³
Viscosity at 20°C	~ 50 mPa.s
Acid value	0.07 mg KOH/g
Ester content	> 99.5%
Pour point	- 54°C

Application

Efka® PL 5646 is a clear, colorless liquid with a hardly noticeable odor. Due to excellent compatibility Efka® PL 5646 is miscible and compatible with all monomeric plasticizers. The product is soluble in the typical organic solvents 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 – such as adhesives – 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.

Storage

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

Contacts worldwide

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Validity

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

Safety

When handling this product, 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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