

# Efka<sup>®</sup> PL 5635

<b>Product description</b>	Efka <sup>®</sup> PL 5635 is a plasticizer for nitrocellulose-, chlorinated rubber and PVC- systems as well as for cellulose acetobutyrate.
<b>Chemical nature</b>	Efka <sup>®</sup> PL 5635 is a linear epoxidized ester

## Properties

**Physical form** clear colorless to slightly yellowish liquid

<b>Technical data</b> (not supply specification)	Epoxide oxygen		~ 5 %
	Acid number	ISO 660	~ 0.2 mg KOH/g
	Iodine number	ISO 3961	~ 2.5 g I/g
	Refractive index	ISO 6320, 20 °C	~ 1.457
	Color (Iodine color value)	ISO 6162	~ 0.5
	Saponification value	ISO 3657	~ 145 mg KOH/g
	Flash point	Directive 92/69/EEC, A.9, closed up)	> 170 °C
	Pour point		~ - 20 °C
	Density	23 °C	~ 0.9 g/cm <sup>3</sup>

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## Application

Efka® PL 5635 perfectly stabilizes all chlorinated rubber- and PVCsystems thus protecting paints and coatings manufactured with it against the influence of heat, light and weather. It is miscible with all aromatic and aliphatic hydrocarbons such as toluene, xylene, Dekalin®, Tetralin®, white spirit, petroleum, ketones, chlorinated hydrocarbons, esters like ethyl acetate, butyl acetate as well as other plasticizers on phthalate- adipate- and phosphate basis. It is furthermore compatible with alkyd-, melamine-, urea-, phenolic-, maleic- and epoxy resins. Despite of its low viscosity Efka® PL 5635 has only a minor volatility and shows excellent migration resistance.

According to the desired effect a dosage of 5 – 50 % may be applied.

The oxirane group in Efka® PL 5635 can be reacted at higher temperatures with acids, anhydrides and amines.

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## Storage

The product should be stored in a cool dry place. When kept in its original unopened containers, it will keep up to 2 years.

### Contacts worldwide

Asia  
BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

North America  
BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

Europe  
BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

South America  
BASF S.A  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

### Validity

This Technical Data Sheet is valid for all versions of the Efka® PL 5635.

### 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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