

# Efka<sup>®</sup> PL 5643

## Product description

Efka<sup>®</sup> PL 5643 is a phthalate free plasticizer for use in PVC, coatings and rubber. It offers excellent durability in combination with low temperature resistance.

Efka<sup>®</sup> PL 5643 has been specifically designed for the manufacture of foils used in food contact applications.

## Chemical nature

Di-octyl adipate

---

## Properties

### Physical form

Clear, light yellowish liquid

### Technical data

(not supply specification)

Acid value	DIN EN ISO 3682	~ 0.04 mg KOH/g
Ester content	(GC)	> 99.5%
Water content	DIN 51777	< 0.1%
Color value	DIN ISO 6271 (Hazen)	~ 10
Viscosity, dynamic	Brookfield LVT (25°C)	~ 15 mPa·s

---

## Application

Efka® PL 5643 is a low odor liquid, soluble in all common organic solvents but practically insoluble in water, it exhibits broad compatibility with all other standard plasticizers. It is particularly suited for the manufacture of cold drawn coatings.

## Recommended concentration

We recommend to determine the optimum dosage level of Efka® PL 5643 by laboratory trials to achieve optimum performance in the various applications.

---

## Storage

Subject to appropriate storage under the usual storage and temperature conditions, our product is durable for at least 2 years.

### Contacts worldwide

Asia  
BASF East Asia Regional Headquarters Limited  
36/F, Two Taikoo Place,  
Taikoo Place,  
979 King's Road,  
Quarry Bay, Hong Kong  
[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 5643.

### 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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)