

## Disflamoll® DPO

### Plastic Additives / Flame Retardants

#### Description

Disflamoll® DPO is a low viscosity phosphate ester plasticizer with good gelling behaviour in flexible PVC. It acts also as a flame retardant in TPU, NBR and cellulose acetate.

#### Chemical composition

2-Ethylhexyl diphenyl phosphate (DPO)

#### CAS Registry Number

1241-94-7

#### Typical properties

Appearance:	clear, almost colourless liquid
Phosphorus content:	8.6 % (calculated)
Acid value:	≤ 0.05 mg KOH/g
Water content:	≤ 0.2 %
Hazen colour value:	≤ 60
Refractive index $n_D$ 20°C:	1.507 – 1.510
Density at 20°C:	1.080 – 1.090 g/cm <sup>3</sup>
Viscosity at 20°C:	21 – 23 mPa·s

#### Storage

If stored correctly, the product has a minimum shelf life of 2 years.

#### Packaging

Road tankers / containers, 1000 kg non-returnable containers, 220 kg drums.

#### Applications

Disflamoll® DPO is a low viscosity phosphate ester plasticizer with following benefits in PVC: highly efficient as plasticizer, fast fusing, low viscosity plastisols, low temperature properties.

It acts also as flame retardant generating lower smoke density in comparison to aryl phosphates.

Disflamoll® DPO is a good flame retardant plasticizer for thermoplastic polyurethane, synthetic rubbers like NBR and cellulose esters like CA, CAB and CN.

It can be recommended in certain food contact applications.

#### Product safety

Relevant safety data and references as well as possibly necessary warning labels are to be found in safety data sheet.



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