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 $n_0$ 20°C: 1.507 – 1.510
- Density at 20°C: 1.080 – 1.090 g/cm³
- 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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