Disflamoll® TKP
Plastic Additives / Flame Retardants

Description
Disflamoll® TKP is a phosphate ester plasticizer with fast gelling behaviour for flexible PVC and good flame retarding characteristics in many polymers.

Chemical composition
Tricresyl phosphate (TCP)

CAS Registry Number
1330-78-5

Typical properties
- Appearance: clear, almost colourless liquid
- Phosphorus content: 8.4 % (calculated)
- Acid value: ≤ 0.05 mg KOH/g
- Water content: ≤ 0.1 %
- Hazen colour value: ≤ 100
- Refractive index nD 20°C: 1.557 – 1.560
- Density at 20°C: 1.175 – 1.185 g/cm³
- Viscosity at 20°C: 65 – 72 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, 240 kg drums.

Applications
Disflamoll® TKP is a phosphate ester plasticizer with following benefits in PVC: fast fusion, low volatility, good resistance to oil extraction and good flame retarding characteristics.
Disflamoll® TKP is used as a flame retardant in the production of articles made of flexible PVC, such as transparent sheets, cables, floor and wall coverings. The product is also used in rubber compounds to improve flame retardancy, coldness flexibility and processing.
Disflamoll® TKP is also used as base oil for fire resistant hydraulic fluids and as anti-wear additive in lubricants.

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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