Disflamoll® 51092
Plastic Additives / Flame Retardants

Description
Disflamoll® 51092 is a phosphate ester with good plasticizing efficiency and flame retardant characteristics in many polymers.

Chemical composition
Butylated triphenyl phosphate

Typical properties
Appearance: clear, almost colourless liquid
Phosphorus content: 8.5 % (calculated)
Acid value: ≤ 0.1 mg KOH/g
Water content: ≤ 0.1 %
Hazen colour value: ≤ 75
Refractive index n\text{D} 20°C: 1.554 – 1.558
Density at 20°C: 1.17 – 1.19 g/cm\text{3}
Viscosity at 20°C: 60 – 110 mPa·s

Storage
If stored correctly, the product has a minimum shelf life of 2 years. At lower temperatures triphenyl phosphate may crystallise. This can be dissolved again when heated up without an adverse effect on quality.

Packaging
Road tankers / containers.

Applications
Disflamoll® 51092 is used as a plasticizing flame retardant in flexible PVC. It can also be used as a flame retardant for polyurethanes and elastomers.

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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