

### Triisobutyl phosphate (TiBP)

#### Phosphorus Specialties & Intermediates

#### Description

Tri-iso-butyl phosphate is a very strong, polar solvent.

#### Chemical Composition

Tri-iso-butyl phosphate (TiBP)

#### CAS Registry Number

126-71-6

#### Appearance

TiBP is a clear, colourless liquid..

#### Typical Properties\*

Property	Nominal Value	Unit
TiBP content	min. 99.0	%
Acid value	max. 0.05	mg (KOH)/g
Water content	max. 0.2	%
Hazen color value	max. 50	#
Refractive index $n_D$ 20°C	1.4195	#
Density at 20 °C	0.960 - 0.970	g/cm <sup>3</sup>
Viscosity at 20 °C	5.0	mPa·s

\*The analytical data are guide values.



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#### Application

As antifoam agent in the building industry, textile industry, paper industry and coating industry.  
In the lubricating industry in the manufacturing of synthetic lubricant base stocks.

#### Storage conditions

If stored correctly and kept in the original sealed container, the product has a shelf life of at least 24 months.  
Metallic materials such as stainless steel and aluminum, as well as ceramic apparatus components have proved suitable.  
Materials suitable for seals are polyethylene, polytetrafluoro ethylene (PTFE) and graphite.  
Strong swelling may occur when plastic (PVC in particular) and rubber components are used as well as upon contact with the interior coatings of vessels. Testing of the resistance is therefore recommended.

#### Handling

Consult the safety data sheet for relevant safety data & references as well as possibly necessary warning labels.

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