



张家港丰通化工有限公司
ZHANGJIAGANG FORTUNE CHEMICAL CO., LTD

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TRIETHYL PHOSPHATE

1. Synonyms: Ethyl Phosphate; TEP; Phosphoric Ether
2. Molecular Formula: $(\text{CH}_3\text{CH}_2\text{O})_3\text{PO}$
3. Molecular Weight: 182.16
4. CAS No.: 78-40-0
5. Quality of product:

Items	Index
Appearance	Achromatic transparent liquid
Assay %	99.5min
Acid Value(mgKOH/g)	0.05max
Acidity(as $\text{H}_3\text{PO}_4\%$)	0.01max
Refractive Index(n_D^{20})	1.4050~1.4070
Water Content %	0.2max
Color Value (APHA)	20max
Density D_{20}^{20}	1.069~1.073
Phosphorus Content %	17% (theory)
Viscosity (25°C, mPas)	1.5-1.7

6. Physical and chemical nature:

It is achromatic transparent liquid; melting point -56.5°C .; boiling point $215\sim 216^\circ\text{C}$; flash point 115.5°C ; relative density $1.0695(20^\circ\text{C})$; refractive index(20°C) 1.4055 . Fully dissolving in water. Easily dissolving in organic solvent of ethanol, ethyl ether, benzene etc.

7. Use of product:

Used as fire-retardant, plasticizer of PUR rigid foam and thermosets. Also used in chemical synthesis.

8. Packing:

200kgs/zinc-coated iron drum; 1000kgs/IB Container;
20-23MTS/ISOTANK



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磷酸三乙酯

1. 英文名: Triethyl Phosphate
2. 分子式: $(\text{CH}_3\text{CH}_2\text{O})_3\text{PO}$
3. 分子量: 182.16
4. CAS No.: 78-40-0
5. 产品质量:

项目	指标
外观	无色透明液体
含量%	≥ 99.5
折光率 (n_D^{20})	1.4050~1.4070
酸值 mgKOH/g	≤ 0.05
水分%	≤ 0.2
色度	≤ 20
比重 D_{20}^{20}	1.069-1.073
磷含量%	17 (理论值)
粘度 (25°C, mPas)	1.5-1.7

6、物化性质:

无色透明液体，熔点 -56.5°C 沸点 $215\sim 216^\circ\text{C}$ ，闪点 115.5°C ，相对密度1.0695(20°C)，折光率1.4055(20°C)。全溶于水，易溶于乙醇、乙醚、苯等有机溶剂。

7、产品用途:

聚胺酯硬泡、保温材料和橡胶塑料的阻燃、增塑剂；树脂的固化剂、稳定剂。

8、包装: 镀锌铁桶, 200KG/桶; 1000 公斤/IBC; 20-23 吨/ISOTANK