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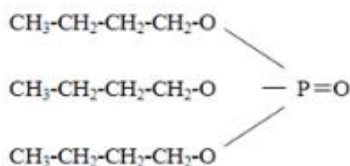
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Technical Data Sheet

Tributyl phosphate

Product Information

Chemical Name	Tributyl phosphate
CAS #	126-73-8
Formula	(C ₄ H ₉) ₃ PO ₄
Molecular Weight	266.3141
Synonyms	Tributyl phosphate
Chemical Structure	



Description

Colorless to light yellow transparent liquid, melting point lower than -80 °C, boiling point 289 °C, the boiling temperature of decomposition, the relative Density 0.9729 (25 / 4 °C), refractive index 1.4226, water solubility of 0.1% (25 °C), in which the water solubility of 7% (25 °C), soluble in most organic solvents and hydrocarbons, insoluble or slightly soluble in glycerol, hexanediol and so on.

Physical Properties

Melting point, °C .	- 80
Boiling range, °C	289
Density	0.9729
Flash point, °C	146

Specification

Item	Specification
Acid Value, mg KOH/g	≤0.02
Moisture (H ₂ O), %	≤0.05
Density(20°C), g/ml	0.9729--0.978
Content, %	≥99.60

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

Chemical reagent, high boiling solvent, used as nitrocellulose, cellulose acetate, chlorinated rubber and PVC plasticizer, also commonly used for coatings, adhesives and printing ink solvent, defoamer, electrostatic elimination agent, dyes and auxiliaries. Also used as a heat transfer medium, building materials additives, lubricating oil pressure antiwear agent. Used as aircraft hydraulic oil flame retardants and rare earth element extraction and purification solvent, oil casing well cement defoaming agent, coating and surface decorative surface air entrainment additive, nuclear fuel processing solvent, the carrier of fluorescent dyes, wet phosphoric acid purification with extraction agent.

Packaging

200kg iron drum, 16mt per 20ft container
Or 1000kg/IBC drum, 20mt per 20ft container

Storage & Handling

Case of high fever, open flame or contact with oxidants, cause a fire hazard, thermal decomposition produces highly toxic phosphorus oxide fumes.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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