山 东 天 一 进 出 口 有 限 公 司
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TCPP

Molecular Formula:C9H18Cl3O4P
Molecular Weight:327.59
CAS No.:13674-84-5
Properties

TCPP, or tris(1-chloro-2-propyl) phosphate, is an organophosphorus flame retardant halogen compound. It has high hydrolytic stability, is not soluble in water, and can be dissolved in ethanol, acetone, esters, aromatics, chloroform, and other organic solvents.

TCPP is very resistant to ultraviolet light. As a flame retardant, it is widely used in flexible and rigid polyurethane foam, polyvinyl chloride, polyvinyl acetate, phenolic resins, epoxy resins, and other materials. TCPP can be directly used as or made into emulsions, for carpets, raincoats, fabric finishing, and rubber, etc.. It can also be used as a fire retardant paint additive.

Specification

Appearance	Pale yellow transparent viscous liquid
Boiling Point	≥ 200 °C (4mmHg)
Viscosity	60-70 CPS (25 °C)
Decomposition Point	200 °C
Density	1.294 g/cc (20 °C)
Phosphorous Content (wt%)	$\geq 9.4\pm0.4$
Chlorine Content (wt%)	$\geq 32.4\pm0.4$
Water Content (%)	< 0.1%
Acid Value (%)	< 0.1%

Note
1. Avoid the inhalation of vapor or mist droplets.
2. Do not get in eyes, on skin, or on clothing.
3. Avoid prolonged or repeated contact with skin.
4. Store in a sealed container to prevent absorbing moisture.
5. Use only with adequate ventilation.
6. Wash thoroughly with soap after contacting with skin.
Packaging
250kg in steel drum
1000kg in IBC container
20MT in ISO tank