

Chemical Name: Tris (2-chloroisopropyl) phosphate (TCPP)

Formula: C₉H₁₈O₄Cl₃P

CAS Number: 13674-84-5; 1244733-77-4

General & Use:

TCPP is an additive flame retardant with very good hydrolytic stability used extensively in rigid and flexible polyurethane foams. TCPP is soluble in most common organic solvents and shows outstanding polymer compatibility.

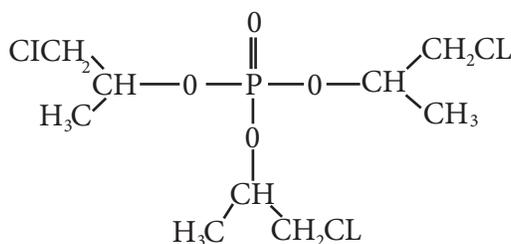
TCPP is widely used for laminate roofing and spray formulations. A class II ASTM E84 rating can be achieved with TCPP. It has superior hydrolytic stability for A or B components. TCPP can be used with unsaturated polyester resins and phenolics. It is an adjunct flame retardant for flexible-melamine foams to meet the British BS5852 test. It may also be used in thermoset and thermoplastic materials as well as for textile finishes.

For health & safety matters please refer to the SDS.

Typical Properties:

| Physical appearance | Clear transparent liquid |
|----------------------------|--------------------------|
| Density lb/ft ³ | 80.2-80.8 |
| Acid Value KOH/g | <0.08 |
| Water content Wt. @ | <0.07 |
| P Content Wt. % | 9.5 |
| Color (APHA) | <75 |
| CL Content Wt. % | 32.5 |
| Viscosity @ 77°F MPa·s | 72 |

Flame Retardants:



Packaging:

Available in bulk tank trucks, isocontainers, 2,800 lb totes, and 590 lb drums.

Thermogravimetric Analysis (50 °F/min.air);

| Weight Loss (%) | °F |
|------------------------|-----------|
| 2 | 240.8 |
| 5 | 330.8 |
| 10 | 356 |

Storage and Handling:

Store in a dry, cool and well-ventilated area. Avoid exposure to moisture. Avoid exposure to heat and to sunlight.

For more information please contact us.

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