

Arabian Agencies and Trading FZCO

PRODUCT DESCRIPTION

TCPP is a low molecular weight product recommended for a number of polyurethane foam applications including one and two component foam systems where the storage stability of **TCPP** ensures good shelf life. Although suitable for flexible slabstock foams **TCPP** does not offer the ageing or low fogging performance of higher molecular weight products.

TYPICAL PROPERTIES

Appearance Clear Liquid

Viscosity @ 25°C 65 cps

Odour Mild

Refractive Index (25°C) 1.460 - 1.466

Boiling Point (°C) Does Not Boil

Flash Point (C.C.E.) °C > 220

Auto Ignition Temp. (°C) > 400

Decomposition Temperature (°C) > 200

Phosphorus Content % 9.40

Chlorine Content % 32.40

Solubility in Water at 20°C (w/w) % 0.10

Colour (Hazen) 50 Max

Acidity (mg KOH/g) 0.1 Max

Water Content (% w/w) 0.1 Max

Specific Gravity (25°C) 1.282 - 1.294

TYPICAL APPLICATIONS

TCPP is a low viscosity flame retardant designed primarily for rigid polyurethane foam systems. The product is suitable for use in two component spray, pour-in-place, or discontinuous panel foams employing CFC, HCFC, water, hydrocarbons or a combination of these blowing agents.

The stability of **TCPP** is such that the product may be added to prepolymers used in one component canister systems where the flame retardant provides useful plasticizing properties.

When added to rigid foams **TCPP** enables formulations to be developed which are capable of satisfying DIN 4102 B3 or B2 standards. **TCPP** may be combined with other flame retardants to achieve various classifications within British Standard 476 Part 7 and French NFP 92 501 specifications.

TCPP can also be incorporated in flexible polyether and HR slabstock foam formulations but does not provide the ageing performance of higher molecular weight products.