

Product Bulletin

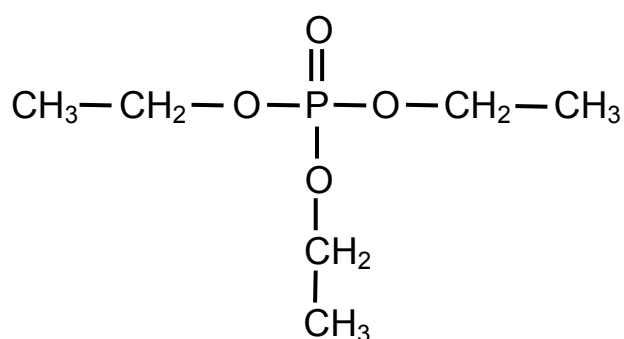
supresta™
BUILT-IN DEFENSE

Fyrol® TEP

Fyrol®
Flame Retardants

Chemical Name: Triethyl Phosphate

CAS #: 78-40-0



Fyrol Product Selector

	Key polyurethane foam application	Key characteristic
6	Rigid, flexible-flame lamination	Reactive flame retardant.
38	Flexible	Low scorch.
CEF	Rigid	Highly efficient flame retardant.
DMMP	Rigid	Effective in combination with other flame retardants.
FR-2	Flexible	Excellent hydrolytic stability, low volatility, low fogging, and processing characteristics.
FR-7	Flexible	Good compression set, IFD and scorch properties, low volatility, low scorch, and good processing characteristics.
HF-4	Flexible	Halogen-free, low scorch with good compression set and IFD properties. Recommended for Cal 117 and MVSS 302 foams.
PCF	Rigid, flexible-BS5852	Excellent hydrolytic stability.
PNX	Flexible	Highly efficient halogen-free flame retardant.
TEP	Rigid	Halogen-free flame retardant, excellent viscosity reducer for high viscosity polyols.

Overview

Fyrol® TEP is a high phosphorus content additive flame retardant with powerful solvency. It is an effective viscosity depressant and is used in highly filled, unsaturated polyester resin fiberglass systems.

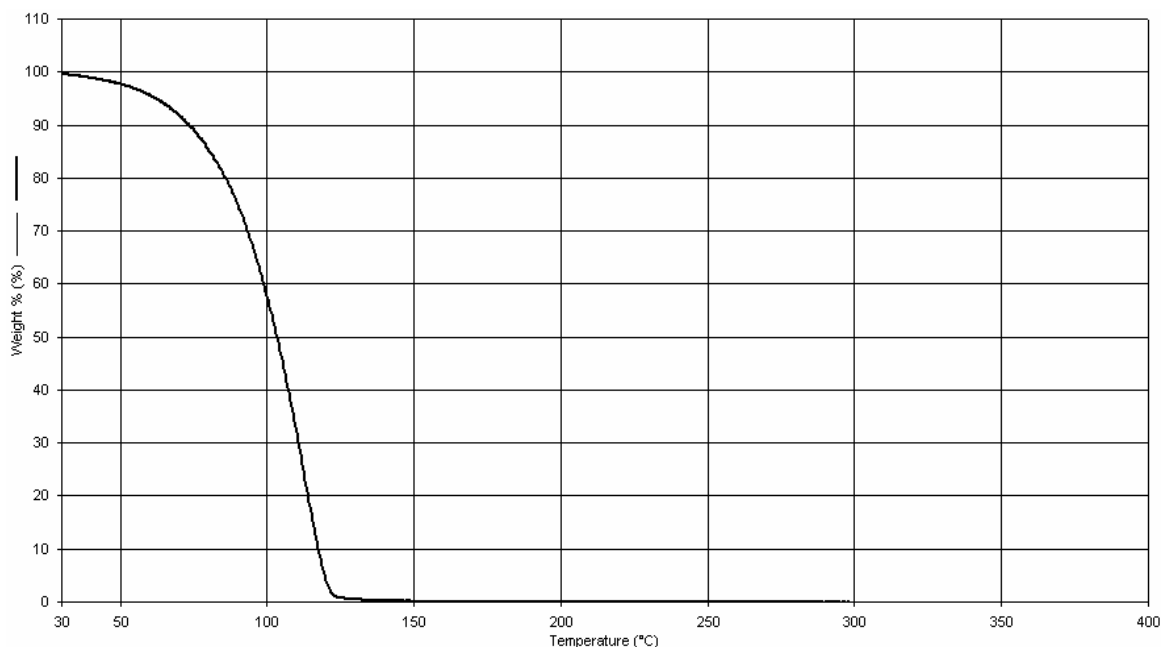
Key Applications

Fyrol® TEP has excellent compatibility properties with flexible/rigid polyurethanes and can be formulated in spray, pour-in-place, and froth systems. It can be used as a solubilizer in the presence of blowing agents using HFC formulations. Fyrol® TEP can be used in synergy with halogenated unsaturated polyester resins. It can also be used as a wetting agent and flow modifier.

Typical Properties

Physical form	Clear, colorless liquid
Odor	Mild, sweet
Assay, wt. %	99
Specific gravity, 20°C	1.067 - 1.072
Water content, wt. % max	0.2
Physical appearance	Clear Liquid
Phosphorus, wt. %	17
Color, APHA	10

Thermogravimetric Analysis: Fyrol® TEP (10°C rise/minute in nitrogen)



2% wt. Loss	48°C
5% wt. Loss	62°C
10% wt. Loss	74°C

Safety & Handling

Consult the Material Safety Data Sheet for this product.

Shipping Information

Available in bulk tank trucks, isocontainers and 485 lb drums.

For more information about our products and to place an order, please contact one of Supresta's regional sales offices.

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