

# Fyrol PNX™



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*Flame Retardants*

**Chemical name:** Alkylphosphate oligomer  
**Formula:** x  
**CAS Number:** 184538-58-7

## General & Use:

Fyrol® PNX is a halogen free additive flame retardant used in flexible polyurethane foam. This material is non-corrosive to glass or metals.

Fyrol® PNX is a highly efficient halogen free flame retardant suitable for flexible polyurethane foam. It is most suitable for MVSS 302 and Cal 117 type foams. Its high molecular weight is also another advantage in automotive foams because in suitable formulations it is low fogging and can give foams low in VOC emissions. Although performance will vary depending on density and formulation it is not unusual to see a reduction of 50% in the level of flame retardant necessary to meet the above tests in slabstock foam. The product is very hygroscopic. Keep sample bottles, drums etc. closed.

**For health & safety matters please refer to MSDS.**

## Typical Properties:

Physical appearance	CLEAR TRANSPARENT LIQUID
Color APHA	<350
Acidity mg KOH/g	<2.0
Water content wt. %	<0.1
Hydroxyl value	approx. 2
Phosphorus content wt. %	19
Flash point (Setaflash CC) °C	208
Water solubility	Miscible
Viscosity mPa.s at 25°C	1000
Specific Gravity	1.31

## Packaging:

Available in bulk, 1270 kg IBC, 2800 lb tote, 268 kg & 590 lb drum.

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

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