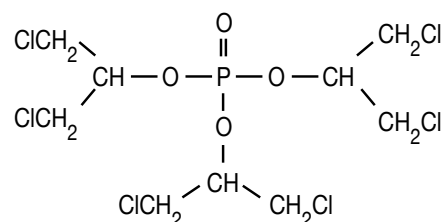


Fyrol FR-2

Flame Retardants®

Chemical name: Tris(1,3-dichloroisopropyl) phosphate
Name:
Formula: C₉H₁₅O₄Cl₆P
CAS Number: 13674-87-8



General & Use:

Fyrol® FR-2 is an additive flame retardant commercially used in flexible and rigid polyurethane foams. Its superiority is demonstrated in excellent hydrolytic stability, low volatility, low fogging and processing characteristics, which enable it to be incorporated into foam formulations with little or no effect upon foam processing.

Fyrol® FR-2 is suitable for flexible polyurethane applications; the use of this flame retardant can easily achieve the California TB117 and automotive FMVSS302 flammability test. It is an adjunct FR for HR-melamine foams. It has low fogging properties that meet the DIN75201 test for automotive foams. It also can be used in epoxy resins, phenolics and unsaturated polyester resins.

Typical Properties:

Physical appearance	Clear transparent liquid
Phosphorus content wt. %	7.1
Chlorine content wt. %	49
Specific gravity 25°C/25°C	1.520
Density @ 20°C lbs/gal	12.7
Density @ 20°C kg/m ³	1520
Viscosity @ 25°C mPa.s	1800
Acidity mg KOH/g	0.09 max
Water content wt. %	0.09 max
Color APHA	<40

Packaging:

Available in bulk tank trucks, isocontainers, 3,000 lb totes, and 690 lb drums.

For health & safety matters please refer to the MSDS.

Thermogravimetric Analysis (10°C/min, N₂):

Weight Loss (%)	°C
2	204
5	223
10	238

Please note that the values indicated do not constitute specification limits. To obtain current specifications, refer to your local Sales Office/Representative or ICL-IP Head Office at address herein.

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 your local ICL office.

Visit our Website: www.icl-group.com

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

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