

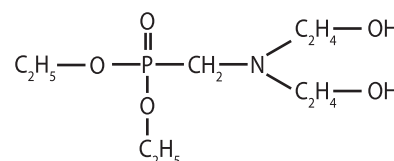
# Fyrol 6™



www.iclfr.com

Flame Retardants

**Chemical name:** Diethyl-N, N-bis (2-hydroxyethyl) aminomethylphosphonate  
**Formula:** C<sub>9</sub>H<sub>22</sub>NO<sub>5</sub>P



## General & Use:

Fyrol® 6 is designed for use as a reactive flame retardant in polyurethane foams.

Fyrol® 6 is a reactive phosphonate ester which is incorporated into the foam structure by reacting as a polyol. It can also be used to aid in the bonding process for flame lamination of fabric with flexible foams.

Fyrol® 6 can be used as a flame retardant for printing wiring board applications.

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

## Typical Properties:

Physical appearance	DARK - AMBER LIQUID
Phosphorus content wt. %	12.4
Specific gravity 25°C/25°C	1.160
Density @ 25°C lbs/gal	9.7
Density @ 25°C kg/m	11160
Acidity mg KOH/g	6.0
Water content wt. %	0.2
Hydroxyl Number mg KOH/g	460
Molecular weight g	1067

## Packaging:

Available in bulk tank trucks, isocontainers, 2,600 lb totes and 520 lb drums.

## Thermogravimetric Analysis (10° C/min N<sub>2</sub>):

Weight Loss, (%)	°C
2	62
5	172
10	197

## Storage and Handling:

Avoid bodily contact. Keep containers tightly closed. Store in a dry, cool, well-ventilated area away from incompatible materials (see "materials to avoid"). Noncorrosive to glass or metals. May soften or deteriorate certain plastics and elastomers (vinyl-based resins, neoprene and natural rubbers). Maximum recommended storage temperature of 50°C (122°F).

For more information Please Contact Us.

Visit our Website: [www.icl-ip.com](http://www.icl-ip.com)

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

**Europe**

ICL-IP Europe B.V.  
E-mail: [fr@europe.icl-ip.com](mailto:fr@europe.icl-ip.com)

**South America**

ICL Brasil  
E-mail: [fr@brasil.icl-ip.com](mailto:fr@brasil.icl-ip.com)

**Japan**

ICL-IP Japan Ltd.  
E-mail: [fr@japan.icl-ip.com](mailto:fr@japan.icl-ip.com)

**North America**

ICL-IP America INC  
E-mail: [fr@america.icl-ip.com](mailto:fr@america.icl-ip.com)

**China & Pacific**

ICL China CO Ltd.  
E-mail: [fr@china.icl-ip.com](mailto:fr@china.icl-ip.com)

**Asia & Other Pacific**

ICL Asia Ltd.  
E-mail: [fr@asia.icl-ip.com](mailto:fr@asia.icl-ip.com)

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions as to the merchantability or fitness of the product for any particular purpose, or that any suggested use will not infringe any patent. Nothing herein shall be construed as granting or extending any license under any patent. Buyer must determine for itself, by preliminary tests or otherwise, the suitability of this product for its purposes, including mixing this product with other products. The information contained herein supersedes all previously issued bulletins on the subject matter covered.