



Pluracol[®] TP440

Specialty Polyol

Pluracol TP440 polyol is a tri-functional polyol formed by adding propylene oxide to a trimethylolpropane nucleus. Pluracol TP440 is used in flexible and rigid polyurethane foams, coatings, adhesives, sealants, and elastomers. Various members may be used in the preparation of prepolymers as cross-linking agents or as polyol reactants in one-shot systems.

TYPICAL PROPERTIES

Hydroxyl number, mg KOH/g	383 - 413
Water wt.% maximum	0.05
Acid number, maximum	0.03
Na & K, ppm maximum	20
Nominal functionality	3
Nominal molecular weight	400
Density, lbs/gal @ 77°F	8.60
100°F	8.52
140°F	8.36
Viscosity, cps @ 77°F	600
100°F	230
140°F	58
Specific heat, BTU/lb °F	0.5
Thermal conductivity, BTU/hr ft² °F/in	0.087

Storage

Pluracol TP440 polyol should be stored under dry conditions below 140°F.

Shipping information

20,000-gallon tank cars, 6,000-gallon tank trucks and 55-gallon nonreturnable steel drums are standard.

In case of chemical emergency:

Call CHEMTREC 800-424-9300 or BASF (800-832-HELP) day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. Outside the U.S., call (703) 527-3887.

Warning

These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible. Pluracol TP440 is not to be used with products or polyols containing phosphorus. Thermal decomposition of polyurethane foam made from this mixture can generate toxic compounds.

Attention:

This product is sold solely for use by industrial institutions. Refer to our Safety Data Sheet (SDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product. An SDS as well as additional information on BASF urethane chemicals may be obtained by telephoning BASF Corporation, Urethane Customer Service at (877) 297-3322 or faxing (734) 324-6866.

Important:

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.

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BASF Corporation

1609 Biddle Avenue

Wyandotte, MI 48192

Phone: (734) 324-6100

<https://polyurethanes.basf.us/>