

**PRODUCT NAME****STEPANPOL® PDP-70****PRODUCT  
DESCRIPTION**

**STEPANPOL PDP-70** is a diethylene glycol-phthalic anhydride-based modified polyester polyol.

**PERFORMANCE  
HIGHLIGHTS**

This product can be used in formulating urethane coatings, adhesives, sealants, and elastomers.

**STEPANPOL PDP-70** exhibits hydrolysis resistance, good thermal stability and low polyol viscosity and also promotes adhesion to a variety of metal and plastic substrates. It exhibits a good hardness/flexibility balance, clarity and low color. This polyol may improve selected physical properties such as tensile strength, modulus and tear strength as well as compatibility with some polyethers and some isocyanates. For prepolymer preparation it is suggested to blend 150 ppm of 85% H<sub>3</sub>PO<sub>4</sub> at 30-100 °C into STEPANPOL PDP-70.

**TYPICAL  
PROPERTIES**

Hydroxyl Number, mg KOH/g \_\_\_\_\_ 70

Water, % by wt., max. \_\_\_\_\_ 0.05

Acid Number, mg KOH/g, max. \_\_\_\_\_ 1.0

Color, Gardner, max. \_\_\_\_\_ 2

Equivalent Weight \_\_\_\_\_ 801

Functionality \_\_\_\_\_ 2.0

Viscosity at 77 °F (25 °C), cP \_\_\_\_\_ 1,900

Density at 77 °F (25 °C), lb/U.S. gal \_\_\_\_\_ 9.98

**STORAGE**

**STEPANPOL PDP-70** has a retest period of 6 months in unopened containers.

Storage in sealed containers at temperatures of 60-95 °F (15-35 °C) is recommended.

**CLEARANCE STATUS**

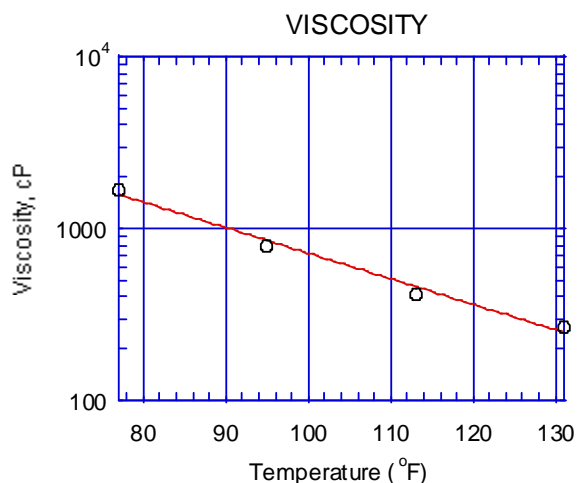
**STEPANPOL PDP-70** is on the Toxic Substances Control Act (TSCA) Inventory.

**CAS NUMBER**

Accession Number: AN 50534

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### VISCOSITY: VARIATION WITH TEMPERATURE



A Material Safety Sheet is available upon request.

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