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POLYETHER AMINE

TECHNICAL DATA SHEET

Everchem D2000

Description

Everchem D2000 polyether amine is a member of a family of polyamines having repeat oxypropylene units in the backbone. It is a difunctional primary amine with an average molecular weight of about 2000. Its amine groups are located on secondary carbon atoms at the ends of an aliphatic polyether chain. It is light in color and low in viscosity. Its vapor pressure is extremely low.

Everchem D2000 polyether amine is completely miscible in a wide variety of solvents. It is, however, only slightly soluble in water.

Applications

Everchem D2000 polyether amine undergoes reactions typical primary amines. Because of its unique structure, it has found wide use in polyurethane and polyuria applications due to its fast reacting nature with isocyanates. In addition, it has found application and in conjunction with other polyamines. Everchem D2000 formulated systems exhibit enhanced peel strengths.

An intriguing application for Everchem D2000 polyoxypropylenediamine is in epoxy systems for metal priming via cathodic electrode position.

Specification

Appearance:	Colorless to pale yellow with slight haze
Color, Pt-Co:	60 max
Primary amine, %of total amine:	97 min
Total acetyltables, mmol/g:	0.98-1.05
Total amine, mmol/g:	0.96-1.05
Water, wt%:	0.25 max

Packaging and Storage

- 1) 2200 lb Tote
- 2) Storage: one year in shadow
- 3) Transportation: see SDS

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