Product Data Sheet

K-POL® 9437
Polyurethane Diol

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K-POL 9437 is an aliphatic, low molecular weight urethane diol. It is recommended as a modifier for amino crosslinked water soluble and emulsified acrylic, alkyd, urethane, and polyester resins. K-POL 9437 can also be used as a reactive cosolvent replacement to increase solids, crosslink density, improve film properties and flow/leveling

ADVANTAGES

Allows co-solvent reduction (lower-VOC)
Water soluble without using amine and cosolvent
Reduced popping
Increased hardness
Good chemical/stain resistance
Improved flow/leveling (higher gloss)
Good hydrolytic stability
Excellent QUV resistance and exterior durability
Anti-skinning

TYPICAL PROPERTIES

Appearance	Straw-colored liquid
% Active	100
Viscosity, cPs, 25° C	2300
Hydroxyl number (as supplied)	681
Hydroxyl equiv. Weight (as supplied)	82.4
Color, Gardner	<1
Weight per gallon, lbs., 25°C	10.0

SOLUBILITY

K-POL 9437 is soluble in water and in all water miscible organic solvents. It is not soluble in aliphatic and aromatic hydrocarbons.

APPLICATIONS

Emulsions or water-borne thermoset coatings crosslinked with aminoplasts or blocked isocyanates:
Automotive coatings
Appliance coatings
Can coatings
Coil coatings
General Industrial
Dip coatings of main product applications

TYPICAL USAGE LEVELS

K-POL 9437 should be used as a reactive resin modifier at 2-15% of total resin solids. At levels greater than 5% the aminoplast ratio should be increased.

SHELF LIFE

Minimum of 24 months from date of manufacture, when stored in the original container at ambient conditions.

HANDLING & STORAGE

Store in a cool, dry location. Please consult Safety Data Sheet for further information.

REGULATORY

Please refer to Section 15 of the Safety Data Sheet for information.

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