K-FLEX UD-350W is an aqueous solution of an aliphatic, low molecular weight urethane diol oligomer. It is recommended as a modifier for amino crosslinked water soluble and emulsified acrylic, alkyd, urethane and polyester resins. K-FLEX UD-350W can be used as a reactive cosolvent replacement to increase solids, crosslink density, improve film/resistance properties and flow/leveling.

APPLICATIONS: Emulsions or water-borne thermoset coatings crosslinked with aminoplasts:
- Coil coatings
- Overprint varnishes
- Appliance coatings
- Automotive coatings
- Wood coatings
- Can coatings
- Dip coatings

ADVANTAGES: Allows cosolvent 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, wt. %: 88
- Diluent: Water
- Viscosity, cPs, 25° C: 4,000
- Hydroxyl number (as supplied)*: 325
- Hydroxyl equiv. Weight (as supplied): 170
- Color, Gardner: 2
- Weight per gallon, lbs.: 9.4
  *Calculated on resin hydroxyls

SOLUBILITY: K-FLEX UD-350W is soluble in water and in all water miscible organic solvents. It is not soluble in aliphatic and aromatic hydrocarbons.

TYPICAL USAGE LEVELS: K-FLEX UD-350W 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. For more details see chart in K-FLEX urethane diol brochure.

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.