

Product Data Sheet

K-PURE[®] CDR-3441

Adhesion Promoter and
Wetting Agent

SAMPLE REQUEST



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K-PURE CDR-3441 is a unique oligomeric ester that contains both hydroxyl and carboxyl functional groups. As a result, CDR-3441 is an effective wetting resin for inorganic and organic fillers, and may also promote adhesion to a variety of substrates, while also participating in the condensation or cationic reaction mechanisms.

APPLICATIONS: Amino, siloxane or cationic epoxy formulations
Solvent based or solventless applications
Build polar groups into backbone for adhesion promotion
Highly filled systems

ADVANTAGES: Solventless, viscous liquid
Promote adhesion through carboxylate group
Higher filler loading or lower viscosity of filled systems

TYPICAL PROPERTIES:	Appearance	Clear, light straw liquid
	Viscosity, 25°C	30,000 – 40,000 cPs
	Non-Volatile, 60 min, 110°C	96%
	Solvent	None
	Hydroxyl number (solids)	135
	Acid value (solids)	30
	Specific gravity, g/cc (25°C)	1.13

SOLUBILITY: CDR-3441 is soluble in a esters, ketones, alcohols and glycol ethers. CDR-3441 has limited solubility in aliphatic hydrocarbons and is not soluble in water.

TYPICAL USAGE LEVELS: Treatment levels will be dependent upon application. As an adhesion promoter, typical use levels range from 5-10% depending upon the system. As a wetting resin, 10-50% on total filler solids. Because CDR-3441 is a reactive material, the effect on the cured material should be considered when using higher levels.

SHELF LIFE: Minimum of 12 months from date of manufacture, when stored in the original container at ambient conditions.

HANDLING & STORAGE: Refer to SDS for complete handling instructions.

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

K-PURE CDR-3441 is part of a family of products that include ester diols, urethane diols and acetoactete functional compounds. In addition, King Industries, Inc. offers corrosion inhibitors, catalysts and thermal acid generators designed specifically for the electronic chemicals market. For additional products, reference our web site at http://kingindustries.com/Web/specialty_market_group.htm or contact us directly.

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