Product Data Sheet

K-PURE® CXC-1765
Catalyst

Science Road
Norwalk, CT 06852
(800) 431-7900
Fax: (203) 866-1268
E-Mail: dmiller@kingindustries.com

K-PURE® CXC-1765 is a zinc complex catalyst for cross linking of epoxy/carboxylic and epoxy/anhydride functional resins. K-PURE® CXC-1765 catalyzes the reaction of glycidyl ether, ester, cycloaliphatic epoxies and epoxidized oils with carboxyl and anhydride groups. K-PURE® CXC-1765 provides improved storage stability and low color relative to amine catalyzed formulations.

ADVANTAGES:

Non-amine catalyst for epoxy/carboxyl or epoxy/anhydride cross linking
Low color development during cure
Good thermal stability
Improved storage stability of catalyzed formulations

TYPICAL PROPERTIES:

Appearance	Clear, straw liquid
Non volatile, 60 min. 110°/C, %	60
Solvent	Carboxyl Functional Reactive Diluent
Metal content, %	7.5
Specific gravity, 25°C, g/ml	1.054
Viscosity, cPs at 25°C	350

SOLUBILITY:

Acetone, methyl ethyl ketone	Insoluble
Methyl isobutyl ketone	Soluble
Alcohols, IPA, butanol	Soluble
Esters	Soluble
Glycol ether (2-butoxyehtanol)	Soluble
Water	Insoluble

APPLICATIONS:

Catalyst for Solventless Epoxy/Carboxylic and Epoxy/Anhydride reactions where low color is needed.

Onset of cure in a standard BADGE/MHHPA system is 135-140°C.

TYPICAL USAGE LEVELS:

0.5 – 5.0% as supplied on total resin solids.

SHELF LIFE:

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

HANDLING & STORAGE:

Safe handling of K-PURE® CXC-1765 should include the use of safety glasses and gloves. Avoid breathing vapors - use with adequate ventilation. Product should be stored in lined or glass containers away from sunlight and excessive heat. Refer to MSDS for detailed information. Avoid freezing and storage about 50°C.

REGULATORY:

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

File: CXC-1765 TDS Issue Date: Sept. 2010 Supersedes: