Product Data Sheet

K-KAT® XK-682
Urethane Catalyst

Science Road
Norwalk, CT 06852 USA
Phone: +1 (203) 866-5551
Toll Free: (800) 431-7900
E-Mail: coatings@kingindustries.com

K-KAT XK-682 is a bismuth complex catalyst designed to have good hydrolytic stability in blocked isocyanate and 2-component urethane systems for coatings and foam applications. K-KAT XK-682 has maintained good activity in catalyzed 1-component blocked isocyanate systems and polyol components of 2-component urethane systems in the presence of moisture.

ADVANTAGES:

Excellent replacement for tin catalysts
Can be used in ambient, force dry and bake systems
Excellent gloss retention
Excellent exterior durability
Good hydrolytic stability

TYPICAL PROPERTIES:

Appearance	Clear, amber liquid
% Active as metal complex	100
Specific gravity, 25°C	1.18

SOLUBILITY:

K-KAT XK-682 is soluble in aromatics, aliphatics, glycol ethers, esters and alcohols. K-KAT XK-682 is insoluble in water.

APPLICATIONS:

K-KAT XK-682 is recommended for 2K and blocked isocyanate coatings. K-KAT XK-682 can replace many heavy metal and/or toxic catalysts used in the production of urethane elastomers, foams and coatings.

TYPICAL USAGE LEVELS:

0.1-0.5% as supplied on total resin solids for 2-component polyurethanes.
0.4-1.5% as supplied on total resin solids for blocked isocyanates.

INCORPORATION:

K-KAT XK-682 can be added directly to a single component blocked isocyanate system and to the polyol component of a 2K PU system.

SHELF LIFE:

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

HANDLING & STORAGE:

Safe handling of this product should include the use of a respirator, safety glasses and gloves. Avoid breathing vapors - use with adequate ventilation. Product should be stored in a cool, dry environment away from sunlight and excessive heat. Consult the Safety Data Sheet prior to use.

REGULATORY:

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

File: K-KAT XK-682 Issue Date: 8/17/2017 Supersedes: 3/15/17