DISPERBYK-140

Wetting and dispersing additive for solvent-borne coatings and pigment concentrates. Particularly suitable for stabilizing pigments in CN and TPA systems.

Product Data

Composition
Solution of an alkyl ammonium salt of an acidic polymer

Typical Properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Amine value:	76 mg KOH/g
Acid value:	73 mg KOH/g
Density (68 °F):	8.51 lbs/US gal
Non-volatile matter (20 min., 302 °F):	52 %
Solvents:	Methoxypropylacetate
Flash point:	111 °F

Food Contact Legal Status
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transport
DISPERBYK-140 may adversely affect the coating adhesion to steel substrates in baking enamel systems. Before using in white baking enamel systems, check whether DISPERBYK-140 causes yellowing. In this case DISPERBYK-180 is recommended to stabilize titanium dioxide.

Applications

Coatings Industry

Special Features and Benefits
The additive deflocculates pigments by steric stabilization. As a result of the small particle sizes of the deflocculated pigments, high levels of gloss can be achieved and the color strength is improved. In addition, the additive increases transparency with transparent pigments and hiding power with opaque pigments. Viscosity is reduced. In this way, the leveling properties are also improved and higher pigment loading is possible.

Recommended Use
DISPERBYK-140 is highly compatible with all standard coating binders. The use of DISPERBYK-140 to excellent effect in cellulose nitrate (CN) and thermoplastic acrylate resins (TPA) is a particular benefit.

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments:	15-20 %
Titanium dioxides:	3-4 %
Organic pigments:	30-80 %
Carbon blacks:	40-80 %

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

For optimum performance, the additive must be incorporated into the mill base before the addition of pigments.

BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com/additives