

BYKANOL-A

Anti-gelling additive for solvent-borne coatings to prevent increased viscosity in air-drying and baking coatings, gelling in long-term storage, and skin formation in oxidative-drying systems. Suitable for post-addition.

Product Data

Composition

Solution of an alkylol ammonium salt of acidic phosphoric acid esters and an oxime

Typical Properties

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

Amine value:	57 mg KOH/g
Acid value:	13 mg KOH/g
Density (20 °C):	0.84 g/ml
Active substance:	20 %
Solvents:	Isobutanol/water/dearomatized white spirit 10/1/6
Flash point:	38 °C

Special Note

To prevent the formation of complexes between BYKANOL-A and siccatives, the additive should not be added at the same time as the siccative.

Applications

Coatings Industry

Special Features and Benefits

The additive prevents an increase in viscosity in air-drying and baking coatings and prevents gelling in long-term storage. BYKANOL-A inhibits skin formation in oxidative-drying systems. It prevents the thickening of acidic binders with basic pigments/fillers. If coatings have already gelled, processing viscosity can be reestablished by adding BYKANOL-A.

Recommended Use

Industrial coatings	<input checked="" type="checkbox"/>
Protective coatings	<input checked="" type="checkbox"/>
Architectural coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>

especially recommended recommended

Recommended Levels

1-2 % additive (as supplied) based on the total formulation to prevent gelling or skin formation.
Up to 7 % additive (as supplied) based on the total formulation in systems that have already thickened.

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

Incorporation and Processing Instructions

BYKANOL-A is incorporated together with the solvents during the manufacturing process.
BYKANOL-A is post-added to re-liquefy thickened systems.



Additive Guide



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