DISPERPLAST-1142

Solvent-free, wetting and dispersing additive for PVC plastisols, adhesives, and sealants as well as ambient-curing resin systems for reducing viscosity and improving the dispersion of filled and pigmented systems.

Product Data

Composition
Polar, acidic ester of long-chain alcohols

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

Acid value:	85 mg KOH/g
Density (20 °C):	1.06 g/ml
Refractive index (20 °C):	1.467
Flash point:	123 °C

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 Transportation
Separation or turbidity may occur when stored and transported below 10 °C. Warm to 30-60 °C and mix well. Moisture sensitive. Store dry.

Applications

PVC Plastisols

Special Features and Benefits
DISPERPLAST-1142 reduces the viscosity of pigmented and filled PVC plastisols. It is particularly recommended for inorganic pigments and fillers. The product enables a greater solids content, improves the color strength of the pigments and shortens dispersion time.

Recommended Levels
Amount of additive (as supplied) based upon solids:

Inorganic pigments:	1-3 %
Organic pigments:	5-7 %
Inorganic fillers:	1-3 %
Blowing agent:	1-2 %
Zinc oxide:	1-3 %

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

Incorporation and Processing Instructions
The additive should be added to the liquid components prior to incorporating the solids.

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Adhesives & Sealants

Special Features and Benefits
DISPERPLAST-1142 reduces the viscosity of filled adhesives and sealants. It is particularly recommended for polyurethane systems and for systems that contain a plasticizer. The product reduces the viscosity and through this permits a greater solids content.

Recommended Levels
Amount of additive (as supplied) based upon solids:

Inorganic pigments: 1-3 %
Organic pigments: 5-7 %
Inorganic fillers: 1-3 %

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

Incorporation and Processing Instructions
The additive should be added to the liquid components prior to incorporating the solids.

Ambient-Curing Resin Systems

Special Features and Benefits
DISPERPLAST-1142 is used in acrylate systems (PMMA in MMA) for pigment stabilization and is suitable for both inorganic and organic pigments.

Recommended Levels
Amount of additive (as supplied) based upon solids:

Inorganic pigments: 1-3 %
Organic pigments: 5-7 %
Inorganic fillers: 1-3 %

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

Incorporation and Processing Instructions
The additive should be added to the liquid components prior to incorporating the solids.

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