KAM-DCA 76

High molecular weight solvent-free dispersion control additive for solvent-based and solvent-free coatings, PVC-based plastisols, ambient-curing resin systems, adhesives.
Ideal for the production of color masterbatches for thermoplastics.
Particularly suited for carbon black pigments (Plasticized and polyol-based pastes).

Technical Specifications

Composition	:	Alkylammonium salt of a high molecular weight block copolymer
Specific gravity @ 20°C	:	ca. 1.05 g/cm^3
Amine value	:	42-46 mg KOH/g
Acid value	:	36-40 mg KOH/g
Appearance	:	Dark yellowish liquid
Active matter	:	>97%

Applications

KAM-DCA 76 deflocculates pigments and stabilizes them by means of steric hindrance. It provides equal electrical charge to the pigment particles. The resulting repulsion effect and the steric stabilization prevent any possible reflocculation and thus stopping floatation in formulations with pigment blends.

The deflocculating properties of the additive lead to:

- High levels of gloss
- Drastically improved color strength
- Significantly reduced viscosity of the mill-base

KAM-DCA 76 is suitable for all kinds of pigments and is particularly recommended for stabilizing acidic and neutral carbon black pigments. It is used in solvent-based and solvent-free coatings, adhesives, and PVC plastisols. **KAM-DCA 76** is particularly recommended in pigment pastes containing a plasticizer or a polyol.

KAM-DCA 76 prevents phase separation in all kinds of unsaturated polyesters (SMC/BMC) and is also suitable for formulations with low emissions. It is highly recommended for stabilizing organic pigments, carbon blacks as well as for wetting carbon fibers.

KAM-DCA 76 should be incorporated in the mill-base before adding the pigments.
Amount of additive based upon pigment can be determined as follows:

Inorganic pigments	: 3-10% (as supplied)
Organic pigments	: 10-30% (as supplied)
Carbon blacks	: 15-50% (as supplied)
Carbon fibers	: 0.5-1% (as supplied)

Storage, Safety and Packaging

To be stored in a cool dry place and handled in accordance with good industrial practice.
When kept in an original unopened container, it will keep up to min. 4 years from the date of manufacture.

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