KAM-DCA 161

High molecular weight dispersion control additive for solvent-based coatings and pigment concentrates.
Particularly suited for stabilizing carbon black pigments with a fine particle size as well as organic pigments.
Strong reduction of mill-base viscosity.

Technical Specifications

Composition	:	High molecular weight block copolymer with pigment affinic groups
Solvent(s)	:	Methoxypropylacetate/Butylacetate
Specific gravity @ 20°C	:	ca. 1.02 g/cm^3
Flashpoint	:	38 °C
Amine value	:	11-12 mg KOH/g
Appearance	:	Slightly yellowish liquid
Active matter	:	30%

Applications

KAM-DCA 161 deflocculates pigments and stabilizes them by means of steric hindrance.
It provides equal electrical charge to the pigment particles.
The resulting repulsion and the steric stabilization prevent a possible co-flocculation, which leads to flood- and float-free color in pigment mixtures. The deflocculating properties of the additive lead to:

- Increased gloss
- Better color strength
- More transparency in the final application
- Strong reduction of the mill-base viscosity

KAM-DCA 161 is recommended in automotive and general industrial coatings and is particularly suited for stabilizing carbon black pigments with a fine particle size as well as organic pigments.

KAM-DCA 161 should be incorporated in the mill-base before adding the pigments.
Amount of additive based upon pigment can be determined as follows:

Inorganic pigments : 10% of oil absorption value (solid form) or 5-15% (as supplied)
Organic pigments : 35-60% of BET value (solid form) or 30-90% (as supplied)
Carbon blacks : 15-30% of DBP value (solid form) or 70-130% (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.
Separation or turbidity may occur at temperatures < 0 °C. Warm to 20 °C and mix well.

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The technical information and specifications contained in this data sheet are based on careful investigations and given to the best of our knowledge. Nevertheless, circumstances under which the product is used in practice are subject to many variations.
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