KAM-DCA 163

High molecular weight dispersion control additive for solvent-based coatings and pigment concentrates.
Preferably used in high performance solvent-based coatings but also in automotive coatings.
Particularly suited for resin-containing pigment concentrates used in industrial coatings and automotive coatings.
Broad compatibility in commonly used resins systems.

Technical Specifications

Composition	:	Block copolymer with pigment affinic groups
Solvent(s)	:	Xylene/Butylacetate/Methoxypropylacetate
Specific gravity @ 20°C	:	ca. 0.99 g/cm^3
Flashpoint	:	28 °C
Amine value	:	10-12 mg KOH/g
Appearance	:	Slightly yellowish liquid
Active matter	:	45%

Applications

KAM-DCA 163 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
- Better hiding power (inorganic pigments)
- Drastically reduced viscosity of the mill-base

KAM-DCA 163 is recommended in general industrial coatings but also in automotive coatings and all kinds of solvent-based coatings as well as pigment concentrates.

KAM-DCA 163 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 10-20% (as supplied)
Organic pigments : 30-50% of BET value (solid form) or 30-60% (as supplied)
Carbon blacks : 15-25% of DBP value (solid form) or 80-100% (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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