

Technical Data Sheet

Last revised: **01-2019**

DELTA-DC® 3591

DELTA-DC® 3591 is a high molecular weight wetting and dispersing additive for aqueous coatings and pigment concentrates. It prevents flocculation of the pigments and therefore stabilizes the hue and color strength of the paints and concentrates. **DELTA-DC® 3591** is especially designed for the production of resin-free and stable pigment concentrates.

Specifications:

Composition	:	Higher molecular weight acrylic polymer
Solvent(s)	:	Water
Appearance	:	Clear yellowish liquid
Amine value	:	18-22 mg KOH/g
Acid value	:	14-17 mg KOH/g
Active ingredients	:	40-42%

Methods of analysis can be received upon request

Applications and usage:

Coatings & Inks

DELTA-DC® 3591 is a high molecular weight dispersant that is compatible with a wide range of most commonly used water-based coatings and inks.

DELTA-DC® 3591 will stabilize the pigment dispersion of inorganic as well as organic pigments, including carbon blacks and improve the following properties:

- Color strength
- Flocculation stability
- Gloss
- Anti-flooding behaviour

Using **DELTA-DC® 3591** in the mill-based formulation or colorants will lead to reduced and stable viscosity and improved flow allowing higher pigment loadings.

DELTA-DC® 3591 should be added prior to the dispersing/grinding process.

Inorganic pigments	:	10% of oil absorption value
Organic pigments	:	25%-50% of BET value
Carbon Blacks	:	20% of DBP value

Safety and Handling:

DELTA-DC® 3591 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet

Storage:

DELTA-DC® 3591 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The production date is indicated on the container.



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Packaging:

50 kg and 180 kg non-returnable metallic containers.
