

Technical Data Sheet

Last revised: **01-2019**

DELTA-DC® 4001

DELTA-DC® 4001 is cost-effective wetting and dispersing additive to improve pigment wetting and stabilize the pigment dispersion. It is a controlled flocculating agent and is therefore preferably used in primers and undercoats.

Specifications:

Composition	: Alkyl hydroxyl ammonium salt of unsaturated fatty acids
Solvent(s)	: Isobutanol/water
Specific gravity @ 20°C	: ca. 0.94 g/cm ³
Flashpoint	: 28 °C
Appearance	: Clear, yellowish liquid
Amine value	: 43-49 mg KOH/g
Acid value	: 37-43 mg KOH/g
Active ingredients	: 30%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-DC® 4001 helps to prevent interfacial tension between hydrophilic pigments/extenders and binders.

DELTA-DC® 4001 is preferably used in primers and undercoats. If gloss requirements are not too high, it can also be used in topcoats.

DELTA-DC® 4001 creates thixotropy and therefore prevents flooding and floating, settling of the pigments and reduces sagging.

The resulting thixotropy from **DELTA-DC® 4001** is much less pronounced than with **DELTA-DC® 4044** or **DELTA-DC® 4054**.

The additive can be used to gel organophilic Bentonites and to produce pastes with improved flow, processability and storage stability.

DELTA-DC® 4001 is mainly used in anti-corrosion and marine paints based on alkyds, chlorinated rubber, and bituminous derivatives. It is suited for all kinds of oil- or alkyd based coatings, wash or shop primers and waterborne systems.

DELTA-DC® 4001 should be added prior to pigment grinding.

0.5-2.0% (delivery form) on inorganic pigments

30.0-50.0%(delivery form) on the Bentonites

Safety and Handling:

DELTA-DC® 4001 should be handled in accordance with good industrial practice. Detailed information can be found in the SafetyData Sheet.

Storage:

DELTA-DC® 4001 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:

55 kg and 190 kg non-returnable metallic containers.
