

Technical Data Sheet

Last revised: 01-2019

DELTA-DC® 3046

DELTA-DC® 3046 is a high molecular weight wetting and dispersing additive for solvent-based coatings. It prevents reflocculation of pigments through steric hindrance and therefore stabilizes the color strength and hue of pigments in paints and pigment concentrates. **DELTA-DC® 3046** is preferably used in high performance solvent-based coatings but also in automotive coatings. It can be used as well in pigment concentrates.

Specifications:

Composition	: Modified polyurethane
Solvent(s)	: Butylacetate/methoxypropylacetate/s-butanol
Specific gravity @ 20°C	: ca. 0.99 g/cm ³
Flashpoint	: 24 °C
Amine value	: 17-21 mg KOH/g
Appearance	: Yellowish liquid
Active ingredients	: 40%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-DC® 3046 is a high molecular weight wetting and dispersing agent that has been developed for high performance solvent-based coatings. In the family of polyurethane-based dispersants, it is the product with the lowest molecular weight and is the most compatible with polar systems.

DELTA-DC® 3046 enhances processing of pigment bases during grinding and enables higher pigment loads to be achieved.

This results in:

- Improved color strength
- Lower viscosity
- Higher gloss
- Reduced dispersion time

DELTA-DC® 3046 can be used in general industrial coatings but also in automotive coatings and all kinds of solvent-based coatings as well as pigment concentrates.

DELTA-DC® 3046 should be incorporated in the mill-base before adding the pigments.

Inorganic pigments	: <u>10% of oil absorption value (solid form)</u>
Organic pigments	: <u>30-50% of BET value (solid form)</u>
Carbon blacks	: <u>15-25% of DBP value (solid form)</u>



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Safety and Handling:

DELTA-DC® 3046 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet

Storage:

DELTA-DC® 3046 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.

Packaging:

50 kg and 200 kg non-returnable metallic containers.
