

Technical Data Sheet

Last revised: 01-2019

DELTA-DC® 4066

DELTA-DC® 4066 is a wetting and dispersing additive for enhancing the dispersion of inorganic pigments. It is designed to prevent flooding and floating and hard sedimentation.

Specifications:

Composition	: High molecular weight unsaturated carboxylic acid
Solvent(s)	: Alkylbenzene/diisobutylketone
Specific gravity @ 20°C	: ca. 0.95 g/cm ³
Flashpoint	: 40 °C
Appearance	: Transparent, slightly brownish liquid
Acid value	: 120-160 mg KOH/g
Active ingredients	: 52%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-DC® 4066 has a chemical structure that is similar to that of **DELTA-DC® 4065**, but does not contain the organically modified polysiloxane.

Like **DELTA-DC® 4065**, **DELTA-DC® 4066** can be used to improve the pigment wetting and stabilize the pigment dispersion.

It produces a controlled flocculation of pigments and extenders and therefore prevents flooding/floating and hard sedimentation. **DELTA-DC® 4066** is also used in amine-neutralized aqueous coatings, but it is not compatible with mineral spirits or paints, which are diluted with mineral spirits.

DELTA-DC® 4066 is suitable for medium- to high-polar systems such as:

- Nitrocellulose systems
- Alkyd/amino resin combinations
- Polyurethane and chlorinated polymer systems
- Acrylic polyisocyanate systems (two-pack acrylics)

DELTA-DC® 4066 is particularly effective in preventing flooding of titanium dioxide in combination with other color pigments.

It is often used in conjunction with high molecular weight dispersants such as **DELTA-DC® 3011**, **DELTA-DC® 3046**, **DELTA-DC® 3047** or **DELTA-DC® 3401**. However, the performance of **DELTA-DC® 4065** in most cases will be slightly better. When used in anti-corrosion primers, in many cases the protective properties are enhanced.

DELTA-DC® 4066 should be added prior to the dispersion process.

0.5-2.5% (delivery form) on inorganic pigments

Safety and Handling:

DELTA-DC® 4066 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.



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Storage:

DELTA-DC® 4066 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:

55 kg and 200 kg non-returnable metallic containers.
