

Technical Data Sheet

Last revised: **01-2019**

DELTA-DC® 4071

DELTA-DC® 4071 is cost-effective anionic wetting and dispersing additive for use in low or high-polar systems as well as water-based coatings and printing inks.

Specifications:

Composition	: Alkylol ammonium salt of a high-molecular weight carboxylic acid
Solvent(s)	: Water
Specific gravity @ 20°C	: 1.08-1.10 g/cm ³
Flashpoint	: 110°C
Amine value	: 95-105 mg KOH/g
Acid value	: 80-100 mg KOH/g
Active ingredients	: 51-55%
Appearance	: Clear slightly brownish liquid

Methods of analysis can be received upon request

Applications and usage:

Coatings & Printing inks

DELTA-DC® 4071 is suitable for both low- and high-polar solvent-based coatings and printing inks and also for aqueous systems. It is used to reduce flooding and settling in non-polar systems e.g. air-drying alkyd paints. It is an effective anti-settling agent in wash and shop primers, nitrocellulose primers, primer surfacers and aqueous stains. It improves the colour acceptance of tinting bases in white latex paints, resulting in higher pigment efficiency.

DELTA-DC® 4071 helps to prevent interfacial tension between the hydrophilic pigments/extenders and the binders. This will result in reduced dispersion time, stabilization of the pigment dispersion, decreased flooding of pigments. When using **DELTA-DC® 4071**, hard sedimentation and sagging will be prevented and gloss will be improved.

DELTA-DC® 4071 can be considered as a cost-effective environmentally friendly replacement for APEs (Aryl Phenyl Ethoxylates).

DELTA-DC® 4071 should be added prior to the dispersion process.

0.5-2.0% (delivery form) on inorganic pigments

2.5-5.0% (delivery form) on organic pigments

Safety and Handling:

DELTA-DC® 4071 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-DC® 4071 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 4 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 containers.
