

Technical Data Sheet

Last revised: 01-2019

DELTA-DC® 4054

DELTA-DC® 4054 is an electro-neutral wetting and dispersing additive to improve the wetting of pigment surfaces and organically treated Bentonites and to reduce the time required for the grinding process. **DELTA-DC® 4054** is suitable for architectural paints. It creates thixotropy and therefore prevents flooding, floating and settling of the pigments and reduces sagging.

Specifications:

Composition	: High molecular weight carboxylic acid salts
Solvent(s)	: Alkylbenzene
Specific gravity @ 20°C	: ca. 0.89 g/cm ³
Flashpoint	: 42 °C
Appearance	: Transparent, slightly brownish liquid
Amine value	: 48-54 mg KOH/g
Acid value	: 50-56 mg KOH/g
Active ingredients	: 52%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-DC® 4054 is a wetting and dispersing agent for enhancing the dispersion of pigments and reducing the interfacial tension between pigments/extenders and the vehicle. By adding **DELTA-DC® 4054** to the mill-base before the grinding process, a quicker wetting of the pigment/extenders as well as a better degree of dispersion will be obtained leading to the following advantages:

- Shorter dispersion time
- Improved storage stability
- Reduced flooding/floating and sedimentation
- Reduced tendency to sag (application on vertical surfaces)

DELTA-DC® 4054 is especially suitable for non-polar to medium-polar solvent-based and solvent-free coating systems such as:

- Air-drying alkyds
- Chlorinated polymers
- Epoxies
- Alkyd/amino resin combinations

DELTA-DC® 4054 is ideal for dispersing organophilic Bentonites, because it reduces dispersion time, improves the storage properties of the final paste and gives a thixotropic, easily processed pasteproduct.

Used in anti-corrosion primers, in many cases the protective properties are enhanced.

DELTA-DC® 4054 is not suited for Nitrocellulose varnishes (risk of discoloration).

0.5-2.0% (delivery form) on inorganic pigments

30.0-50.0%(delivery form) on the Bentonites



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Safety and Handling:

DELTA-DC® 4054 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-DC® 4054 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. **DELTA-DC® 4054** has tendency to become hazy at low temperatures but this process can be reversed by heating.

Packaging:

50 kg and 180 kg non-returnable metallic containers.
