

Technical Data Sheet

Last revised: **01-2019**

DELTA-FC[®] 1022

Silicone-based defoamer for solvent-based and solvent-free coating systems to prevent foam and bubble formation during paint production, filling and application.

DELTA-FC[®] 1022 can be used in **coatings** and **printing inks**.

Specifications:

Composition	: Solution of defoaming substances containing silicone
Solvent(s)	: MPA/xylene/ethylacetate/butylacetate
Specific gravity @ 20°C	: ca. 0.89 g/cm ³
Flashpoint	: 19 °C
Appearance	: Clear, colorless liquid

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-FC[®] 1022 prevents the formation of foam and blisters during the manufacturing and application of solvent-based and solvent-free coatings. It is particularly suited for curtain coating and recommended in the following resin systems:

- Two-pack systems based on polyurethane and epoxy resins. It is especially suited for polyurethane-based curtain coating finishes
- Stoving enamels based on alkyd resins or saturated polyesters
- Air drying industrial coatings based on medium-oil alkyd resins
- Thermoplastic acrylics

Suggested application fields include machinery paints, radiator paints, industrial and transportation coatings, and wood finishes.

DELTA-FC[®] 1022 can be incorporated prior to processing. If it is added subsequently, good distribution must be insured.

0.2-1.0% on total formulation weight

Printing Inks

DELTA-FC[®] 1022 prevents the entrapment of air during processing steps such as dispersion & pumping. It reduces the accumulation of foam in the ink pan or reservoir during the printing process. **DELTA-FC[®] 1022** has been developed for solvent-based formulations. It can be used in solvent-based pigment bases and printing inks and is particularly effective in nitrocellulose-based systems (gravure and flexographic printing inks).

DELTA-FC[®] 1022 can be added in the premix stage prior to dispersion. If added post manufacture or press-side, care should be taken to ensure uniform distribution.



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Safety and Handling:

DELTA-FC[®] 1022 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-FC[®] 1022 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 170 kg non-returnable metallic containers.
