



Product Data Sheet

ADD-3772

GENERAL

ADD-3772 is a silicone-free additive suitable for aqueous and non-aqueous systems. It is designed to reduce the surface tension of various resin systems at substrate interface, which will improve substrate wetting and leveling; and prevent formation of craters without stabilizing foam. **ADD-3772** is suitable for **coatings** and **printing inks**.

SPECIFICATIONS

Composition	: Solution of an acrylate polymer
Solvent(s)	: Sec. Butanol
Specific gravity @ 20°C	: Ca. 0.95 g/cm ³
Flashpoint	: 24°C
Appearance	: Transparent to slightly yellowish liquid
Active ingredients	: 60%

APPLICATIONS AND USAGE

Coatings:

ADD-3772 has a very wide compatibility, which makes it extremely suitable for use in clear coatings. It improves leveling, prevents cratering and helps substrate wetting without damaging the inter-coat adhesion in multi-layer applications. **ADD-3772** is chemically very similar to **ADD-3777** but with less Fluor content in the acrylic polymer (lower surface tension reduction).

It is recommended in the following application systems:

- Stoving enamels based on alkyd, acrylic and polyester resins
- Polyurethane coatings
- Two-pack epoxy compounds
- Air-dried alkyd systems

If used in aqueous coatings, **ADD-3772** must be neutralized with a suitable amine. Complete water solubility will be achieved by addition of 5% of triethylamine or 12% Ammonia solution (25% concentration).

ADD-3772 should be added at the end of the batch preparation.

0.4-2.0% on total formulation weight

Printing Inks:

ADD-3772 is recommended for free-radically and cationically mediated UV-curable printing inks and over-print varnishes. It is also suitable for conventional alkyd-based printing inks and over-print varnishes, and for solventbased printing inks.

ADD-3772 will be effective in flexographic, screen and offset application to difficult substrates.

As it does not interfere with inter-coat adhesion, trapping or over-printing is not impaired and the product is suitable for process printing.

In over-print varnishes, **ADD-3772** may be added at any stage of manufacture.

In printing inks, addition of **ADD-3772** should take place after the dispersion step. In all cases care should be taken to ensure uniform distribution of the additive.

0.4-2.0% on total formulation weight



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STORAGE, SAFETY & HANDLING

ADD-3772 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. **ADD-3772** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.