



# Product Data Sheet

## ADD-3031

### GENERAL

**ADD-3031** is a silicone surface additive to provide good substrate wetting of critical substrates and excellent anti-cratering by reduction of surface tension of the coating systems. It also improves surface slip, scratch resistance and anti-blocking properties. **ADD-3031** is a heat resistant silicone additive, which shows no thermal decomposition at temperatures between 150°C and 230°C. Due to its low surface tension, it prevents floating of pigments, Bénard cells and pinholing. It is suitable for coatings and printing Inks.

### SPECIFICATIONS

Composition	: Solution of organically modified siloxane
Solvent(s)	: Alkylbenzene
Specific gravity @ 20°C	: Ca. 0.95 g/cm <sup>3</sup>
Flashpoint	: 40°C
Appearance	: Clear to slightly hazy, colorless liquid
Active ingredients	: 52.5%

### APPLICATIONS AND USAGE

#### Coatings:

**ADD-3031** is compatible with all medium- to high-polarity solvent-based systems.

It is suited for:

- Wood finishes based on unsaturated polyesters, polyurethane and nitrocellulose. It is also suitable for UV-curable wood coatings.
- Metal coatings, e.g. transportation coatings **ADD-3031** improves levelling, mar resistance and acts as an anti-blocking agent. It can interfere with intercoat adhesion when recoated without sanding. If used in conjunction with **ADD-3777**, good flow and slip properties can be obtained, especially in top coats. If air is introduced by the application equipment, small amounts of defoamers such as **ADD-2020** and **ADD-2022** should be added.
- Acid-curing and stoving coatings

It can be added at any stage of manufacture as long as sufficient shear forces are applied to ensure uniform distribution of the additive.

**0.1-1.0%** on total formulation weight

#### Printing Inks:

**ADD-3031** improves substrate wetting, levelling and increases scuff and mar resistance in inks and over-print varnishes. An applied film containing **ADD-3031** is relatively insensitive to pinholing. It is especially effective in nitrocellulose-based flexographic inks and UV-curable over-print varnishes.

**ADD-3031** can be added at any stage of the manufacturing process. In all cases care should be taken to ensure uniform distribution.

**0.1-1.0%** on total formulation weight



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### STORAGE, SAFETY & HANDLING

**ADD-3031** 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-3031** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.