



Product Data Sheet

ADD-4046

GENERAL

ADD-4046 is a high molecular weight wetting and dispersing additive for solvent-based coatings. It prevents reflocculation of pigments through steric hindrance and therefore stabilizes the colour strength and hue of pigments in paints and pigment concentrates. **ADD-4046** is preferably used in high performance solvent-based coatings but also in automotive coatings. It can be used as well in pigment concentrates.

SPECIFICATIONS

Composition	: Modified polyurethane
Solvent(s)	: Butylacetate/methoxypropylacetate/s-butanol
Specific gravity @ 20°C	: Ca. 0.99 g/cm ³
Flashpoint	: 24 °C
Amine value	: 17-21 mg KOH/g
Appearance	: Yellowish liquid
Active ingredients	: 40%

APPLICATIONS AND USAGE

Coatings:

ADD-4046 is a high molecular weight wetting and dispersing agent that has been developed for high performance solvent-based coatings. In the family of polyurethane-based dispersants, it is the product with the lowest molecular weight and is the most compatible with polar systems.

ADD-4046 enhances processing of pigment bases during grinding and enables higher pigment loads to be achieved.

This results in:

- Improved colour strength
- Lower viscosity
- Higher gloss
- Reduced dispersion time

ADD-4046 can be used in general industrial coatings but also in automotive coatings and all kinds of solvent-based coatings as well as pigment concentrates.

ADD-4046 should be incorporated in the mill-base before adding the pigments.

Inorganic pigments: **10% of oil absorption value** (solid form)

Organic pigments: **30-50% of BET value** (solid form)

Carbon blacks: **15-25% of DBP value** (solid form)

STORAGE, SAFETY & HANDLING

ADD-4046 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-4046** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.