



# Product Data Sheet

## ADD-4276

### GENERAL

**ADD-4276** is a multi-functional solvent-free wetting and dispersion control additive to stabilize all kinds of pigments in solvent-borne and solvent-free coatings, adhesives, PVC plastisols, ambient curing resin systems, and for the production of color masterbatches for thermoplastics. It is particularly recommended for dispersing carbon black pigments in polyols or plasticizers.

### SPECIFICATIONS

Composition	: Alkylammonium salt of a high molecular weight block copolymer
Amine value	: 42-46 mg KOH/g
Acid value	: 37-41 mg KOH/g
Specific gravity @ 20°C	: Ca. 1.05 g/cm <sup>3</sup>
Appearance	: Dark yellowish liquid
Active ingredients	: >98%

### APPLICATIONS AND USAGE

**ADD-4276** deflocculates pigments by means of steric stabilization leading to a uniform electrical charge in the pigment particles. The resulting repulsion effect and the steric stabilization prevent any possible reflocculation and thus stopping floatation in formulations with pigment blends. With **ADD-4276**, high levels of gloss can be achieved and the color strength and viscosity are improved drastically.

**ADD-4276** is suitable for all pigments and is particularly recommended for stabilizing carbon black pigments (Mostly neutral and acidic grades).

**ADD-4276** is recommended in solventborne and solvent-free coatings, adhesives, and PVC plastisols. A key application area is solvent-free pigment concentrates for these applications.

**ADD-4276** must be incorporated in the mill-base before adding the pigments.

<b>In the mill-base:</b>	<b>15-50 %</b> on carbon blacks
	<b>10-25 %</b> on organic pigments
	<b>5-10 %</b> on inorganic pigments

Optimal levels are determined through a series of laboratory tests.

### STORAGE, SAFETY & HANDLING

**ADD-4276** 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-4276** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.