



## TAMOL™ 681 Dispersant

### Description

TAMOL™ 681 Dispersant is a specially-engineered, high-performance dispersant for interior and exterior latex paints. TAMOL 681 Dispersant is 35% solids and formaldehyde free.\* This ammonium salt of a hydrophobic copolymer dispersant offers an unmatched combination of benefits, including:

- Stability in paints containing zinc oxide and other reactive pigments
- Improved flow and film-build when used with nonionic rheology modifiers
- Enhanced gloss potential
- Improved corrosion resistance

In gloss formulations, including high-gloss acrylic enamels, TAMOL 681 Dispersant permits the full development of the gloss potential of the binder. TAMOL 681 is highly compatible with HEUR nonionic rheology modifiers such as ACRY SOL™ RM-995 and ACRY SOL RM-5000 Rheology Modifiers. When used with these thickeners, TAMOL 681 Dispersant improves flow and film-build and provides an alkyd-like feel when brushing.

TAMOL 681 Dispersant is well suited for formulating metal and wood primers and stain and corrosion-resistant topcoats for a variety of substrates.

### Typical and Physical Properties

(These properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Clear to light yellow slightly hazy liquid
Chemical type	Hydrophobic copolymer polyelectrolyte
pH (as shipped)	9.5
Solids, %	35
Brookfield Viscosity, cP as shipped	2000-12000
Specific gravity	1.09
Density, lb/gal	9.07
Solvent	40/60 propylene glycol/water
Bulking Value, gal/lb	0.111

### Dispersing Efficiency

TAMOL™ 681 Dispersant should be tested at 3.0% to 5.0% active ingredient based on total pigment weight. It is important to determine the proper level for the finished paint formulation. If a low level is used, the dispersion may be incomplete providing an inadequate grind that may not maximize gloss, hiding, or stability. High levels of dispersant may lead to increased water sensitivity.

\*no added formaldehyde or formaldehyde generators.

Handling Precautions	Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.
Storage	Store products in tightly closed original containers at temperatures recommended on the product label.
Disposal Considerations	Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.
	It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Coating Materials Technical Representative for more information.
Chemical Registration	Many countries require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. Dow does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.
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