



TAMOL™ 963 Dispersant

Description

TAMOL™ 963 Dispersant is a versatile, low-cost, non-foaming, water-soluble polyacid dispersant which offers excellent performance in a wide range of latex paint formulations. It is recommended for low sheen flat through semi-gloss acrylic, styrene-acrylic and vinyl acrylic formulations and is effective over a pH range of 7 to 11 with a wide temperature range.

TAMOL 963 Dispersant is supplied at 35% solids in the ammonia form. It is highly compatible with anionic HASE associative rheology modifiers. TAMOL 963 Dispersant can be used with ACRY SOL™ DR series of rheology modifier products to offer excellent heat age and viscosity stability. It is a very low foaming dispersant and has excellent color acceptance with glycol and water dispersed colorants including hard to disperse pigments such as red iron oxide.

Features	Benefits
Low cost	Lower formulated cost
Broad formulating range	Wide versatility. Can be used in flats through semigloss formulations
Rheology modifier compatibility	Highly compatible with anionic HASE type rheology modifiers
Excellent color compatibility	Excellent color acceptance with high reproducibility
Excellent viscosity stability	Excellent shelf stability for paints
Low foam	Easy to process and handle

Typical Physical Properties

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

Property	Typical Values
Appearance	Clear to pale yellow liquid
Chemical type	Anionic polyelectrolyte
pH	7 - 11
Solids, %	35
Brookfield Viscosity, cP as shipped	25 max.
Specific gravity	1.15
Density, lb/gal	9.6

Dispersing Efficiency

TAMOL™ 963 Pigment Dispersant should be tested at 0.3% to 1.0% 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 will not maximize gloss, hiding or stability. High levels of dispersant may lead to increased water sensitivity.

**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. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

**Note on
Asia-Pacific
Product Line**

Product availability and grades vary throughout the countries in Asia-Pacific. Please contact your local Dow Coating Materials representative for further information and samples.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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