



OROTAN™ 731A Dispersant

Hydrophobic Copolymer, Waterborne Pigment Dispersant

Regional Product Availability

Asia-Pacific

Description

OROTAN™ 731A Dispersant is an extremely versatile pigment dispersant for acrylic, acrylic-styrene, and vinyl acrylic based coatings. This sodium salt of a maleic anhydride copolymer is very effective as a general dispersant in coatings applications.

OROTAN 731A Dispersant offers good gloss and hiding at economical use levels. In addition, when formulated with a high-performance binder and other high-quality additives, it can offer excellent corrosion resistance to coatings formulations.

OROTAN 731A Dispersant can be used in a wide range of formulations, including flat primers, low VOC paints, interior and exterior flat, sheen and semi-gloss paints and high gloss topcoats. It is a most generally useful dispersant, and can be expected to offer good dispersion, stability and film properties in a broad array of coating systems.

Other dispersant products in the Dow Coating Materials range include OROTAN 1850E Dispersant for stability with reactive pigments, OROTAN 165A Dispersant for improved corrosion resistance and OROTAN 1288 for reduced raw material costs.

Key Features

- No added formaldehyde, or formaldehyde generators⁽¹⁾
- Very effective with inorganic pigments and high efficiency performance.
- Excellent gloss development
- Versatile dispersant supplied as a low viscosity solution.

Benefits

- Can offer reduced dispersion times and increased hiding through efficient dispersion.
- Ability to enhance performance of specialty coatings, such as improved corrosion resistance.
- Can be used in a wide range of formulations with ease of handling within production facilities

Typical Properties

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

Property	Typical Values
Appearance	Pale yellow to clear liquid
Solids, by weight, %	25.0
Density (g/ml), wet	1.10
pH (10% aqueous solution)	10.4
Viscosity (Brookfield LVT #1, 30 rpm), cps	< 130
Chemical Type	Sodium salt of a maleic anhydride copolymer

1. Formaldehyde is a ubiquitous material in our environment. Currently there is no accepted regulatory or industry definition of "Formaldehyde-Free." Therefore, we purposely refrain from using the term "Formaldehyde-Free." However, for OROTAN™ 731A Dispersant, we do not intentionally add 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

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 within the Asia-Pacific 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.

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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