



OROTAN™ 1850E Dispersant

Hydrophilic Waterborne Pigment Dispersant

Regional Product Availability

- Asia-Pacific

Description

OROTAN™ 1850E Dispersant is the sodium salt of a polymeric carboxylic acid designed as a high stability dispersant for waterborne paints. It is ammonia free and does not have added formaldehyde, or formaldehyde generators.

OROTAN 1850E Dispersant is highly stable with reactive pigments such Zinc Oxide or other polyvalent metal containing pigments and extenders. OROTAN 1850E Dispersant has also found application in high pigment volume concentration (PVC) paints requiring long shelf storage, and can be used with a wide range of acrylic, acrylic-styrene, and vinyl acrylic based coatings.

Key Features

- Excellent polyvalent ion stability.
- Excellent stability with HASE and ACRY SOL™ DR Rheology Modifiers.
- Ammonia-free⁽¹⁾ and no added formaldehyde or formaldehyde generators⁽²⁾.

Benefits

- Effective with inorganic pigments.
- Good efficiency performance.
- Facilitates the formulation of paints to address stringent environmental standards.

Typical Properties

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

Property	Typical Values
Appearance	Clear/hazy, colorless to yellow liquid
Solids, by weight, %	30.0%
Density (g/ml), wet	1.2
pH	9.0
Viscosity (Brookfield LV #2, 12 rpm, 25 °C), cps	< 370
Chemical Type	Polymeric carboxylic acid

(1) Manufactured without the use of aqueous ammonia.

(2) 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™ 1850E 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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