



PRIMAL™ DC-450V Emulsion

Low Odor and low VOC Emulsion based on Low Odor Polymerization Technology

Regional Product Availability

- Asia Pacific Region

Description

PRIMAL™ DC-450V Emulsion is a water-based polymer emulsion based on the AVANSE™ Technology platform and applies low odor polymerization technology to further reduce odor and VOC. PRIMAL DC-450V Emulsion is designed to facilitate the formulation of coatings with low VOC and low odor that address stringent environmental standards.

PRIMAL DC-450V Emulsion offers excellent pigment binding capacity and film formation capability that facilitates the formulation of paint films with excellent washability, excellent early chalking resistance and excellent opacity.

PRIMAL DC-450V Emulsion is designed to offer paint stability, formulation robustness and an excellent balance of cost and performance in high PVC paints.

Key Features

- Low odor polymerization technology offers low VOC and low odor to address stringent environmental standards
- Excellent pigment binding capacity based on the AVANSE™ Technology platform
- APEO free⁽¹⁾ and does not have added formaldehyde, or formaldehyde generators⁽²⁾

Benefits

- Low odor binder facilitates the formulation of mid to high PVC interior paints
- Excellent washability, excellent chalking resistance, good opacity
- Rapidly builds film hardness during film formation
- Good water resistance, alkali resistance and durability

Typical Properties

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

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	46.5
Density, wet, (g/ml)	1.05
pH	8.5
Minimum Film Forming Temperature ($\pm 2^{\circ}\text{C}$)	29
Viscosity (Brookfield LV #4, 60 rpm, 25°C), cps	< 5000
Storage precautions	Protect from freezing

(1) Manufactured without the use of Alkyl Phenyl Ethoxylate (APEO) surfactants.

(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 PRIMAL™ DC-450V Emulsion, 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.

Contact:

Australia / NZ +61-3-9956-7500
South East Asia +65-6861-1077
Greater China +86-21-3851-1000
Japan +81-3-5460-2150
Korea +82-10-5265-3736
India +91-22-6602-8888

www.dow.com

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



UNRESTRICTED – May be shared with anyone

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow
PRIMAL™ DC-450V Emulsion / Dow Coating Materials

883-00665-01-0622 DOW
06/2022, Rev.1