



## **RHOPLEX™ EWP-466 Emulsion**

Waterborne Acrylic Copolymer for Industrial Coatings

### **Introduction**

RHOPLEX™ EWP-466 Emulsion is an acrylic-styrene copolymer designed for high gloss, waterborne industrial coatings over metal and plastic substrates, and is suitable for use in applications where an attractive appearance, adhesion and corrosion resistance are required. Formulation robustness, along with high weight solids, allows wide formulation latitude in producing coatings based on RHOPLEX™ EWP-466 Emulsion. Applications that are well suited for coatings based on RHOPLEX™ EWP-466 Emulsion include transportation vehicles (rail car, truck chassis, etc.), various factory-applied coatings for metal and plastic (boxes, tools, etc.), and structural steel.

### **Features & Benefits**

- High gloss and DOI
- Wide formulation latitude
- Favorable formulation cost/performance balance
- Good corrosion control
- Can produce hard films
- Excellent adhesion to metals and plastics

### **Typical Physical Properties**

These properties are typical but do not constitute specifications.

<b>Property</b>	<b>Typical Values</b>
Appearance	Opaque, white to off-white liquid
Solids Content, %	51.5
pH	9.5
Viscosity, cP (#2 Spindle @60 rpm, 25°C)	< 275 cP
Weight per U.S. Gallon (wet, lbs/gal)	8.60
Bulking Value (wet), gal/lbs	0.116
Bulking Value (dry), gal/lbs	0.113
MFFT (°C)	60

### **Potential Applications**

- General Industrial Finishes for metal and plastic
- Transportation Finishes

**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.

**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:**

North America: 1-800-447-4369  
Latin America: (+55)-11-5188-9000  
Europe: (+800)-3-694-6367  
Asia-Pacific: (+800)-7776-7776  
<http://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.

