



## SUPRACARE™ 141

Laundry Conditioning Polymer

### Description

Dow manufactures a wide range of polymers for the cleaning industry. The Dow research effort is application focused. Our background allows us to screen many different combinations of monomers, molecular weight and processes in search of the polymer that will offer the maximum benefit to our customers.

### Applications

SUPRACARE™ 141 is a polymer to be used in powder and liquid laundry detergent, laundry additives, industrial and institutional detergents. The recommended dosage range is 0.3 - 0.5% by weight of the formulation.

#### Recommended Applications

- Rinse Step Fabric Conditioner
- Laundry Detergent

### Typical Properties

SUPRACARE™ 141 Polymer	Typical	Range	Units
Appearance	White powder	Pass	–
Viscosity (2% in water)	300 - 500	Pass	cps

These properties are typical but do not constitute specifications.

For product specifications, please contact Customer Information Group (CIG) of The Dow Chemical Company:

<http://www.dow.com/assistance/dowcig.htm>.

### Chemical Mode of Action

SUPRACARE™ 100 series is a family of high viscosity quaternarized hydroxethyl cellulose (HEC) polymers with cationic substitution of trimethyl ammonium and dimethylalkyl ammonium. These compositions benefit from the hydrophobic nature to deliver superior conditioning performance in fabric care applications.

Cationic polymers, like cationic HEC, are known to give an enhanced deposition onto the fabric surface. SUPRACARE™ 141 overcomes the incompatibility of cationic chemicals and anionic surfactants and provides 2-in-1 conditioning performance from detergent. SUPRACARE will not compromise the stain fighting effectiveness of the detergent.

### Benefits

By using SUPRACARE™ 141 conditioning polymer, detergent manufacturers will enjoy the following advantages:

- Improved softness or fluffiness of natural fabrics
- Improves bulk feel of natural fabrics
- Delivers enhanced fragrance intensity
- Reduced creasing
- Reduced static
- Rheology modification
- High formula compatibility
- Easy to formulate

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SUPRACARE™ 141 Polymer / Dow Home and Institutional Care Applications

805-00140-1116-BDC

**Storage**

Store products in tightly closed original containers at temperatures recommended on the product label.

**Handling Precautions**

Before using this product, consult the Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

**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 Technical Representative for more information.

**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  
(Toll) +31-11567-2626  
Asia-Pacific: (+800)-7776-7776  
(Toll) +60-3-7965-5392

<http://www.dow.com>

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