



SUPRACARE™ 420 Softness Booster

A new softness booster polymer delivering softening properties and improving water absorption

Features

- Water soluble polymer
- Stable in acidic media using weak acid or alkaline source
- Effective over broad pH range, from 2 to 12
- Ease of handling
- Low use level (around 0.5%)

Benefits

- Increases fabric softness compared to esterquat used alone
- Allows formulating with less esterquat while maintaining softness of the fabrics
- Reduced esterquat level minimizes the risk of product instability and gelation over time
- Higher water absorption than traditional fabric softener based on esterquat only
- Can contribute to higher fragrance retention.

Applications

- Fabric softeners

Physical Properties

The following are typical properties of SUPRACARE™ 420 Softness Booster; **they are not to be considered product specifications.**

Recommended use levels:	0.2% to 1% as is
Ionic nature:	Non ionic
Appearance	Off -white powder
Volatiles content, as packaged , % by wt (at 105°C):	<1.0
Moisture content, as packaged, %:	<1.0
Solution pH:	8-10
Approximate Molecular Weight ¹ :	200, 000

¹Based on rheological measurement.

Mechanism of Action

It is believed that the strong hydrogen bonding affinity of SUPRACARE™ 420 Softness Booster accounts for the associations with other polar compounds, such as esterquat, leading to a more effective deposition of these materials on polar clothes, such as terry towels.

SUPRACARE 420 allows the reduction of the quantity of esterquat in a fabric softener while maintaining the same level of softening properties and with no compromise on terry towels water absorption.

Handling Precautions

Before using this product, consult the 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.

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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