



Technical Data Sheet

DOWSIL™ FM-6620 Emulsion

FEATURES & BENEFITS

- High active content
- Easy to incorporate
- Effective at low addition levels
- Provides softness and volume
- Imparts water absorbency

Cationic emulsion of a high molecular weight amine functional silicone

APPLICATIONS

- Rinse cycle fabric conditioner
- Laundry and fabric care

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications.

CTM*	Property	Unit	Result
176	Appearance		Milky white
0007	pH		3–5
0862	Active content	%	58
	Emulsifier type		Cationic

*CTM: Corporate Test Method, copies of CTM are available on request.

DESCRIPTION

DOWSIL™ FM-6620 Emulsion is a high active content cationic emulsion of a high molecular weight amine functional silicone polymer.

This emulsion was developed as fabric care additive for use in rinse cycle fabric conditioners.

HOW TO USE

DOWSIL FM-6620 Emulsion is easy to incorporate into rinse cycle fabric softeners. It is recommended to mix the emulsion with the softener base during the final manufacturing steps at temperature below 40°C without high shear mixing. To obtain the claimed performance, it is recommended to add between 0.5 and 2.0% active.

HANDLING

PRECAUTIONS

PRODUCT SAFETY

INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

Product should be stored at or below 40°C (104°F) in original, unopened containers. This product has a usable life of 6 months from the date of production.

PACKAGING INFORMATION

This product is available in 20 kg pails, 200 kg drums and 950 kg IBC.

Samples are available in 500 ml bottles.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

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Softness

In tests performed by an independent testing laboratory, a statistically significant improvement in softness was observed by addition of 1% active to a standard rinse cycle softener based on ester quats.

Figure 1: Volume

In comparative tests, the apparent volume of terry towels could be increased significantly by the addition of DOWSIL FM-6620 to a standard rinse cycle softener based on ester quats.

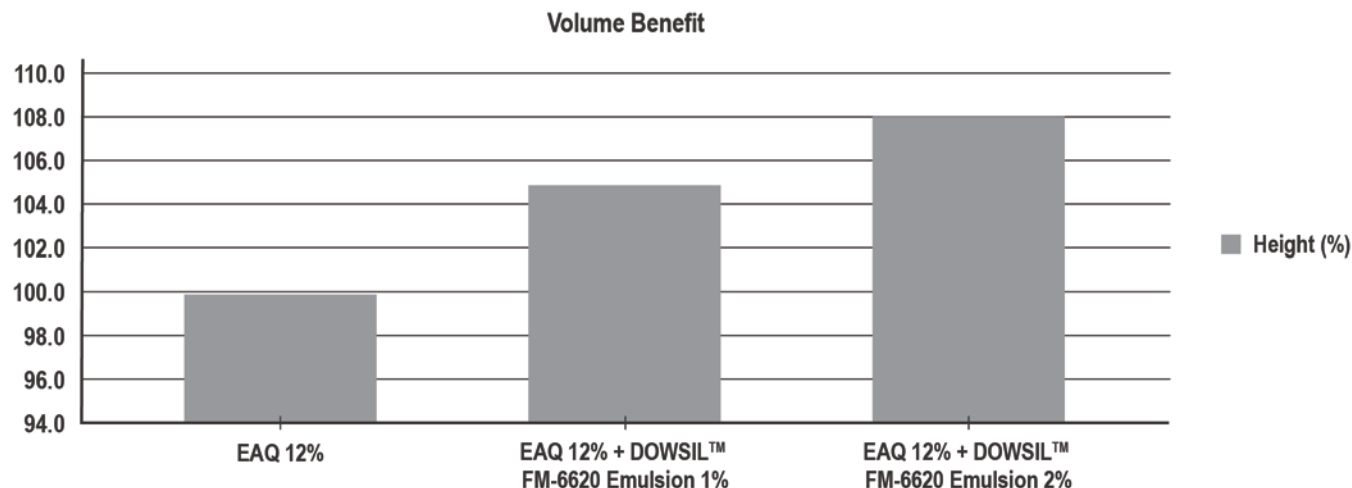


Figure 2: Water Absorbency

In comparative tests, the water absorbency of treated terry towels could be increased significantly by the addition of 0.5wt% of DOWSIL FM 6620 to a standard rinse cycle softener based on ester quats.

