



Technical Data Sheet

DOWSIL™ CE-1689 Smoothing Emulsion

FEATURES & BENEFITS

- Based on high-molecular weight polydimethylsiloxane fluid and amodimethicone fluid
- Nonionic emulsion
- Significantly improves the wet and dry feeling of shampoo
- Smooth and soft feeling during rinse-off
- Good color lock performance
- Easy to formulate

INCI Name: Dimethicone (and) Amodimethicone (and) Laureth-23 (and) Polyquaternium-10 (and) Laureth-4

APPLICATIONS

- 2-in-1 hair shampoo
- Rinse-off conditioner

TYPICAL PROPERTIES

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

Test ¹	Property	Unit	Result
	Appearance		Milky emulsion
0208	Non-volatile content (NVC)	%	62–68
0007	pH		5.5–8.5
	Emulsifier type		Non-ionic
0957	Particle size	µm	18–28
0050	Viscosity at 25°C (77°F)	mPa·s	20,000–40,000

1. CTM: Corporate Test Method, copies of CTMs are available upon request.

DESCRIPTION

DOWSIL™ CE-1689 Smoothing Emulsion is a 60% emulsion of high-molecular weight polydimethylsiloxane fluid and amodimethicone fluid designed to provide superior wet and dry sensory performance. It is ideal for use in 2-in-1 hair shampoos and rinse-off hair conditioners.

HOW TO USE

DOWSIL CE-1689 Smoothing Emulsion is water dilutable. Thus it is easy to formulate with. The recommended usage level is 1–3%. It is recommended to add the product below 45°C (113°F) in order to minimize the risk of emulsion instability.

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

When stored at or below 45°C (113°F) in the original unopened containers, this product has a usable life of 18 months from the date of production.

PACKAGING INFORMATION

This product is available in 200 kg drum.

Samples are available in 500 g bottle.

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.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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