



Technical Data Sheet

XIAMETER™ MEM-8035 Emulsion

For Auto and Home Care: Aqueous emulsion of aminosilicone; for Textiles and Leather: White, pourable, cationic, 35% active emulsion based on amino functional silicone polymer

Features & Benefits

- Ease of application
- Easy incorporation into products
- Reactive cross linking
- Imparts water-repellency
- Good gloss retention
- Excellent detergent resistance
- Cationic nature to aid substantivity
- Neutral pH
- Good dilution stability

Applications

- Used in non-aerosol automotive products that may contain solvents (aliphatic hydrocarbons), e.g. paint polishes and vinyl protectors; and as a rinse aid in automatic car washes.
- XIAMETER™ MEM-8035 Emulsion is suitable to provide a 'Fabric Care' benefit for rinse cycle fabric softeners. Based on internal panel testing results, the use of this product provides highly significant improvements in anti-wrinkle, ease of ironing, ease of wrinkle removal and significant results in fabric water absorbency compared to conventional rinse cycle fabric softener compositions.

Typical Properties

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

Test ¹	Property	Unit	Result
Auto and Home Care Applications:			
0176	Appearance		White liquid
0001	Specific gravity at 25°C		0.99
0007	pH		7.0
0862	Active content	%	35
0050	Viscosity at 25°C	mm ² /s	5
	Emulsifier type		Cationic

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

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Typical Properties (Cont.)

Test	Property	Unit	Result
Textiles and Leather Applications:			
	Appearance		White, free-flowing
	Silicone content	%w/w	35
	Emulsifier type		Cationic
	pH		7–8.5
	Microbial evaluation	cfu/ml	< 10
	Suitable diluent		Water
	Water absorbency performance at 3% silicone concentration	Confidence level %	80
	Anti-wrinkle performance at 3% silicone concentration	Confidence level %	99
	Wrinkle removal performance at 3% silicone concentration	Confidence level %	99
	Ease of ironing performance at 3% silicone concentration	Confidence level %	99

Description

Textiles and Leather Applications:

XIAMETER MEM-8035 Emulsion is a white pourable cationic emulsion of an amino-functional polydimethylsiloxane. Based on its chemical properties, the product formulation offers excellent compatibility with rinse cycle fabric softeners and provides a very high silicone deposition level (> 80%) onto fabric during the rinse cycle of European type front loader washing machines.

How To Use

Auto and Home Care Applications:

Incorporate at 1.5 to 11.0% in the aqueous phase, depending on product application, with low shear mixing.

Textiles and Leather Applications:

XIAMETER MEM-8035 Emulsion is easy to incorporate into rinse cycle fabric softener. It is recommended to mix the emulsion with the softener base after the cationic active is solubilized and in particular at the final manufacturing stage at a temperature below 40°C (104°F) without high shear mixing. Recommended addition level of XIAMETER MEM-8035 Emulsion to obtain the claimed perceivable benefits in dilute softener formulations (4–5% Quats) is 3% and 9% for concentrated softener formulations (15% Quats). Specific ironing performance tests must be assessed individually for each softener formulation.

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.

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Storage

Auto and Home Care Applications:

Product should be stored at or below 50°C (122°F) in original, unopened containers.

Textiles and Leather Applications:

Product should be stored at or below 0°C (32°F) and 50°C (122°F) in original, unopened containers.

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.

<http://www.xiameter.com>

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