



Technical Data Sheet

XIAMETER™ OFX-8417 Fluid

Premium amino softener

Features & Benefits

- Durable softness
- Crease resistance
- Stretch-back
- Lubricity

Applications

- Suitable for formulation into micro emulsion which can be applied by exhaustion and padding as textile softener

Typical Properties

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

CTM ¹	Test	Unit	Value
0176B	Appearance		Colorless light straw, clear liquid
0050CQ	Viscosity (25°C)	cst (mm ² /s)	1,200
0002A	Refractive index		1,408
0094	Nitrogen content	%	0.9
0001AA	Specific gravity		0.96

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

Description

XIAMETER™ OFX-8417 Fluid consists of reactive amino functional group in its structure.

When applied on fabrics, it gives durable softness, crease resistance, stretch-back property and lubricity.

Preferably for treating cotton, nylon, polyester, acrylics and their blend knits.

How To Use

XIAMETER OFX-8417 Fluid can be emulsified into a micro emulsion using a wide range of commercially available emulsifiers. The following emulsifiers serve as guideline only and it can be substituted.

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XIAMETER™ OFX-8417 Fluid

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How To Use (Cont.)

Typical Formulation:

	Weight parts
XIAMETER™ OFX-8417 Fluid	15.0%
Softanol™ 70 ¹	5.0–7.0%
Acetic acid (I)	0.1%
Pre-water (I)	2.0–4.5%
Dilution (I)	20%
Acetic acid (II)	0.15%
Dilution water	balance

¹Softanol™ 70, Alkyl carbon C=12-14, liner secondary alcohol with 7 EO.

Procedure:

1. Add XIAMETER OFX-8417 Fluid and Softanol 70 surfactant into a tank, agitate at medium speed for 10 minutes.
2. Add pre-water and acetic (I), agitate at high speed for 10 minutes.
3. Add 20 parts of dilution water (I) agitate at high speed for 20 minutes. Add pre-water (II), agitate at high speed for 10 minutes.
4. Add the rest of dilution water (II) and acetic acid (II), agitate at medium speed for 10 minutes till homogeneous emulsion is obtained.
5. Filtrate and package.

Handling Precautions

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Usable Life And Storage

Product should be stored at or below 40°C (104°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.

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<http://www.xiameter.com>

Softanol is a trademark of Nippon Shokubai Kagaku Kogyo Corporation.

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