



Technical Data Sheet

XIAMETER™ AFE-0400 Antifoam Emulsion

Water based 10% active textile emulsion

Features & Benefits

- Immediate foam knockdown
- Long term foam inhibition
- Low addition levels Rapid dispersion in aqueous foaming systems
- Stable in textile processes at pH 4–11
- Foam control up to 100°C
- Good compatibility with dye stuffs, surfactants and textile auxiliaries

Applications

XIAMETER™ AFE-0400 Antifoam Emulsion controls foam in the following processes:

- Dyeing, printing, fabric sinking, latex coating, bleaching, scouring, finishing and sizing.

Typical Properties

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

Property	Unit	Value
Chemical nature		Silicone emulsion
Appearance		Off white pourable emulsion
Active ingredients	% w/w	10
Viscosity at 25°C	cPs	500–2000
pH		5.0–7.0
Emulsifier type		Non-ionic
Suggested starting concentration	ppm	50–100
Diluent		Water

How To Use

For optimum efficiency, XIAMETER AFE-0400 Antifoam Emulsion should be diluted with cold soft or distilled water in the ratio of 1 part XIAMETER AFE-0400 Antifoam Emulsion to 9 parts water (maximum). The diluted emulsion may require gentle stirring before use if stored for more than 24 hours.

Benefits

The emulsion system has been carefully designed for optimum stability, especially in hot aqueous textile liquors, to minimize the risk of siloxane deposition and oil spotting. Good compatibility with dye bath components ensure trouble free processing.

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 between 5 and 35°C (41 and 95°F) in original, unopened containers.

During prolonged storage there may be a slight tendency for product separation; therefore, it is recommended that XIAMETER AFE-0400 Antifoam Emulsion be gently agitated prior to use to ensure homogeneity.

XIAMETER AFE-0400 Antifoam Emulsion will freeze below 0°C (32°F). If frozen, allow to thaw at 18–29° C (64.4–84.2°F) for at least one day and agitate gently to assure homogeneity.

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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