



Technical Data Sheet

XIAMETER™ AFE-1226 Antifoam Emulsion

Unique process aid emulsion with antifoaming, de-aeration and textile anti-crease benefits in one package

Features & Benefits

- Effective foam control at low concentrations
- High and low pH stability
- Shear resistance
- Heat stability
- Excellent de-aeration
- Reduces fabric/fabric and fabric/metal frictional forces which in turn reduce fabric creasing during processing
- Good compatibility with most surfactant systems, except for cationic medium
- Improved quality of final fabric
- Reduced rejection of final fabric due to uneven dyeing, oil spotting or surface creases
- Total cost reduction of textile auxiliaries
- Eliminates dispersed air in the bulk phase in addition to suppressing foam at the surface

Applications

- Scouring
- Bleaching
- Dyeing
- Additive in auxiliaries
- Water-borne paint and ink
- Water-borne metal working fluids

Typical Properties

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

Test	Unit	Value
Appearance		Milky white
Physical form		Light cream
pH at 25°C (77°F)		6
Specific gravity at 25°C (77°F)		1.0
Suitable diluent		Water
Solids	%	20–26

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XIAMETER™ AFE-1226 Antifoam Emulsion

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Description	<p>XIAMETER™ AFE-1226 Antifoam Emulsion is a unique antifoam emulsion especially developed for pressure-beck dyeing processes such as jet dyeing machines.</p>
How To Use	<p>XIAMETER AFE-1226 Antifoam Emulsion can be added directly to aqueous foaming media. At least a five times pre-dilution is recommended to avoid coagulation especially when the medium is hot.</p> <p>For the dilution, 5–10 times of water should be added to the product in small steps whilst gently agitating.</p> <p>Diluted XIAMETER AFE-1226 Antifoam Emulsion separates with time. Thus it should be used within one or two days of dilution and should be gently mixed prior to use.</p> <p>Typically small concentrations of XIAMETER AFE-1226 Antifoam Emulsion, in the range of 0.1 g/L to 0.5 g/L, are needed to suppress foam.</p> <p>To achieve de-aeration or anti-creasing, higher levels are recommended, 0.5 g/L to 2 g/L. Exact concentrations can be determined by conducting standard laboratory foam tests with a sample of the foaming medium.</p>
Handling Precautions	<p>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.</p>
Usable Life And Storage	<p>Product should be stored between 5°C (41°F) and 40°C (104°F) in original, unopened containers.</p>
Limitations	<p>This product is neither tested nor represented as suitable for medical or pharmaceutical uses.</p>
Health And Environmental Information	<p>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.</p> <p>For further information, please see our website, www.dow.com or consult your local Dow representative.</p>

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