



Technical Data Sheet

DOWSIL™ AFE-7600 Antifoam Emulsion

Concentrated foam control agent and process aid for chemical pulping, metal cleaning and liquid detergent

Features & Benefits

- Concentrated emulsion designed for easy dilution with either tap water or demineralized water to produce stable, lower solids emulsions
- Highly efficient antifoam and defoamer at low concentration levels
- Immediate foam control action
- Persistent foam control action
- Increased speed to market with customized silicone solutions
- Reduced product development and capital equipment cost to produce a highly efficient silicone emulsion
- Good shear resistance with limited deposition in metal cleaning application
- Cost effective antifoam with good visual and performance stability in liquid detergent application even after 12 weeks at 40 degrees Celsius aging

Composition

- Silicone antifoam emulsion

Typical Properties

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

Property	Unit	Result
Appearance		Viscous white paste
Solids content	%	60–69
Actives content	%	54–58
Diluents		Water

Description

DOWSIL™ AFE-7600 Antifoam Emulsion is a 63.5% solids emulsion. It is an efficient foam control agent and process aid for chemical pulping, metal cleaning and is suitable for controlling the foam in end-use applications of liquid detergent products.

UNRESTRICTED – May be shared with anyone

®™ The DOW Diamond, KATHON and DOWSIL are trademarks of The Dow Chemical Company

DOWSIL™ AFE-7600 Antifoam Emulsion

© 2017 The Dow Chemical Company. All rights reserved.

How To Use

Pulp Application

DOWSIL AFE-7600 Antifoam Emulsion is easily diluted to lower actives content by adding the required amount of product to either tap water or demineralized water while mixing.

Emulsion separation can occur if excess shear is applied while preparing the lower actives content emulsion.

DOWSIL AFE-7600 Antifoam Emulsion contains 0.095% wt KATHON™ LX 1.5% as a preservative. To ensure dilute emulsions remain resistant to microbial attack, additional preservative should be added when diluting this product to lower active content emulsions.

Regulatory guidelines should be considered both when selecting the preservative and determining the addition level required to dilute the product.

A properly preserved dilute emulsion containing 20% silicone actives content should be stable if used within 6 months of production. Water quality varies among geographic regions which can negatively impact dilute emulsion stability. If lower actives content emulsions are desired, addition of a suitable thickener may be required to obtain the desired product stability.

Metal Cleaning Application

DOWSIL AFE-7600 Antifoam Emulsion can be used as process aid in steel industrial detergent working after rolling oil treatment procedure. Initial concentration suggested will be between 1000 and 5000 ppm.

Liquid Detergents Application

0.25% of DOWSIL AFE-7600 Antifoam Emulsion can already offer competitive advantages. In any case, the exact appropriate concentration must be estimated by testing in foaming 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.

Usable Life and Storage

When stored between 5 and 35°C (41 and 95°F) in the original unopened container.

Packaging Information

Available in 200 kg drums.

Samples are available in 0.5 kg containers.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Not intended for human injection. Not intended for food use.

UNRESTRICTED – May be shared with anyone

©™ The DOW Diamond, KATHON and DOWSIL are trademarks of The Dow Chemical Company

DOWSIL™ AFE-7600 Antifoam Emulsion

© 2017 The Dow Chemical Company. All rights reserved.

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.consumer.dow.com>

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

