



## Technical Data Sheet

### **DOWSIL™ ACP-3056 Antifoam Compound**

100% silicone antifoam

#### **Features & Benefits**

- Excellent foam control
- Low usage levels compared to conventional mineral oil-based antifoams
- Long lasting foam control performance
- Food contact: as specified in the "Food Regulatory Profile"
- Improves washing efficiency
- Excellent pulp drainage

#### **Applications**

- Foam control for chemical pulping processes

#### **Typical Properties**

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

Property	Unit	Result
Active ingredient	%	100
Appearance		Gray to white viscous liquid
Viscosity <sup>1</sup>	mPa.s	45,000

1. Cone/plate RVT CP-52 at 2.5 rpm.

#### **Description**

DOWSIL™ ACP-3056 Antifoam Compound is a 100% active high viscosity silicone liquid, based on hydrophobic particle activator technology. It is designed to control foam in aggressive foaming environments, such as those typically encountered in chemical pulping operations.

Emulsions formulated from DOWSIL ACP-3056 Antifoam Compound offer outstanding foam control at very low usage levels when compared to conventional mineral oil antifoams.

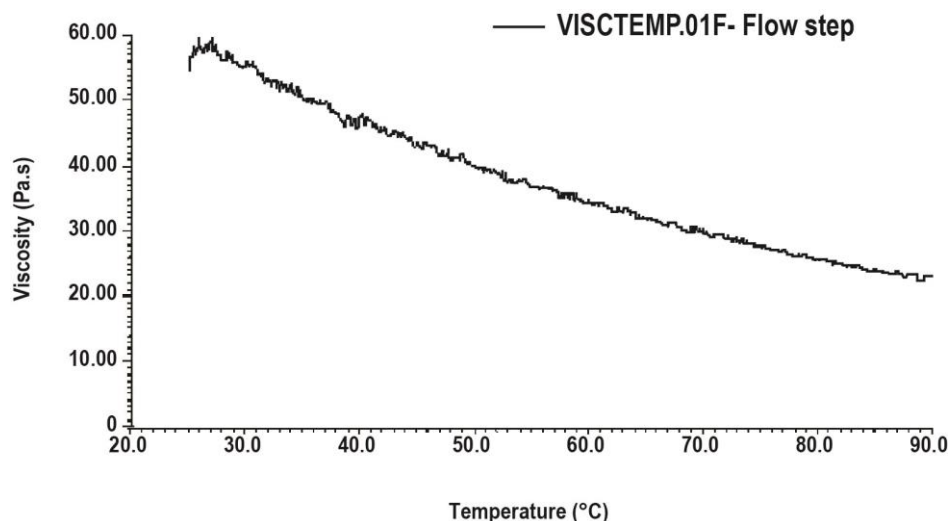
#### **How To Use**

DOWSIL ACP-3056 Antifoam Compound must be formulated into a dispersion or an emulsion prior to application in the foaming media. Dispersions can be prepared using polysaccharides, such as Xanthan gum. Emulsions can be formulated by using commercially available emulsifiers. Formulation guidance can be provided on request.

## How To Use (Cont.)

Combination of DOWSIL ACP-3056 Antifoam Compound with DOWSIL™ ACP-3990 Antifoam Compound will improve foam knockdown, as will the addition of siloxylated polyethers, such as DOWSIL™ OFX-5247 Fluid or DOWSIL™ OFX-5329 Fluid.

The viscosity of DOWSIL ACP-3056 Antifoam Compound is reduced at elevated temperatures. This may sometimes be beneficial in easier handling. (See Figure 1 for guidance.)



**Figure 1: DOWSIL ACP-3056 Antifoam Compound, Viscosity Versus Temperature.**

## 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](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

### Food Regulations

This product complies with certain applicable European requirements concerning its use in contact with foodstuffs. The specific regulation(s) this product is compliant with are stated in the "Food Regulatory Profile." This document is available from your regional Customer Service Center.

### Responsibility of the Consumer

Final compliance with above-mentioned regulations has to be ensured by the manufacturer of the end product.

## 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](http://www.consumer.dow.com) or consult your local Dow representative.

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