

# TECHNICAL DATA SHEET

## TC-3023 30% active silicone defoamer, with Neutral pH

### Description

This is a food grade silicone defoamer emulsion formulated to control foam in food systems and processes.

### Key Features

- Blends easily into aqueous systems
- Excellent foam knockdown and persistence characteristics
- Effective in hot and cold systems
- Effective in low concentrations

### Key Applications

- Agriculture applications, including crop spraying
- Amine scrubbing
- Oil and gas processing
- Specialty chemical formulations

### Application

TC-3023 is a water dispersible 30% active silicone defoamer, with neutral pH. This antifoam is specially formulated to control foam in agriculture spraying applications.

### Use and Cure Information

This product is compatible in most aqueous processing applications, however it is advisable to screen each application before use. Use product as is by adding directly into foaming system or dilute with process liquid prior to use. This product disperses in water systems with moderate amounts of mixing.

### Health & Safety

This product is manufactured in compliance with the regulations of the U.S. Food and Drug Administration as cited in 21 CFR 173.340, defoaming agents used in processing foods. Permissible use levels for polydimethylsiloxane in food are defined by this FDA regulation. This product is approved for use in Canada under the following CFIA categories: Cleaners (Cleaners/Defoamers for washing fruits and vegetables, code C3) and Egg Treatment Compounds (Foam control compound, code LL3).

### Limitations

This product is not intended for pharmaceutical use.

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Property	Test Method	Value
<b>Product</b>		
Appearance		White liquid
Color		White
Density	BS ISO 2781	0.96-1.0 g/cm <sup>3</sup>
INCI Name		silica-filled polydimethylsiloxane
Ionicity		Non-ionic
MIT Free		No
Non-Volatile Content (%)		34
Ultralow cyclic content		No
<b>Uncured Product</b>		
Viscosity	Brookfield	3000 cP
<b>Addition Rates</b>		
Dosage - 1		100-10,000 PPM active content (Dependent on regulations specific to application)
<b>Storage</b>		
Max Storage Temperature		38 °C / 100 °F
Min Storage Temperature		4 °C / 39 °F
Packaging		This product is available for sale as 40 lb. pails and 441 lb. drums. and 2205 lb. totes
Shelf Life		12 mths

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