

# 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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Revision No        5  
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### Property

#### Product

Appearance

Color

Density

INCI Name

Ionicity

MIT Free

Non-Volatile Content (%)

Ultralow cyclic content

#### Uncured Product

Viscosity

#### Addition Rates

Dosage - 1

#### Storage

Max Storage Temperature

Min Storage Temperature

Packaging

Shelf Life

### Test Method

### Value

White liquid

White

BS ISO  
2781

0.96-1.0 g/cm3

silica-filled  
polydimethylsiloxane

Non-ionic

No

34

No

Brookfield 3000 cP

100-10,000 PPM active  
content (Dependent on  
regulations specific to  
application)

38 °C / 100 °F

4 °C / 39 °F

This product is available for  
sale as 40 lb. pails and 441  
lb. drums. and 2205 lb. totes  
12 mths