



## StarSil AC 1083

### Product Description:

StarSil™ AC 1083 is a new highly efficient silicone-antifoam compound. StarSil AC 1083 is a nonaqueous solvent free 100% silicone base with improved long term foam control efficiency. It was especially developed for use in a wide range of industrial applications ranging from pulp processing, textile dyeing, and waste water treatment. StarSil™ AC 1083 has significant foam knock down and excellent sustaining antifoam performance.

### Product Attributes:

- Free rinsing (when emulsified efficiently)
- Long-lasting defoaming & antifoaming properties
- Nonionic

### Regulatory Status

#### FDA:

- 21 CFR 176.210
- 21 CFR 176.170
- 21 CFR 176.180

**EPA:** The ingredients are exempt from tolerances listed below:

- 40 CFR 180.910
- 40 CFR 180.920
- 40 CFR 180.960

### Product Applications:

StarSil™ AC 1083 acts primarily as an antifoam base for formulated defoamers and antifoams that can be added at various stages during pulp manufacturing. When emulsified StarSil AC 1083 rinses clean and does not have the detrimental effect of silicone deposits and residues.

### Typical Properties:

Appearance	Off-white viscous liquid
Viscosity	~3,500 cp
pH (100%)	~8.0
% Activity	100%
Solubility in Water	Insoluble

**Other Information:**

<b>Standard Packaging</b>	Drum: 440 lbs / Tote: 2200 lbs
<b>International Inventories</b>	USA (TSCA), Canada (DSL), Europe (EINICS), Korea (ESL), Japan (ENCS), Australia
	(AICS), Philippines (PICCS), China (IECSC), and New Zealand (NZIoC)
<b>Biodegradability</b>	Not Biodegradable
<b>Toxicity</b>	StarSil AC 1083 is considered nontoxic

**Emulsifier Recommendations**

Emulsifier to Compound Ratio: 1:4 / (HLB : 11 to 13)

Tween 80 and 85

Polysorbate 60

SMS, MS-40, MS 20

**Storage Conditions:**

StarSil™ AC 1083 has a shelf life of at least twelve months from the date of delivery; if stored in original, unopened containers at temperatures not exceeding 40°C. Continued storage beyond the designated shelf life does not necessarily mean the material cannot be used. However, renewed testing of the most important properties is imperative.

 [www.StarChemGlobal.com](http://www.StarChemGlobal.com)

To request a sample:

[starchemcs@star-na.com](mailto:starchemcs@star-na.com)

**1-800-677-3500**

**StarChem, LLC • 10150 Greenville Highway • Wellford, SC 29385 • Phone: 1-800-677-3500**

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written, or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by StarChem. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release StarChem from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contain herein is unauthorized and shall not bind StarChem. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.