

SILFOAM[®] SC 133



Silicone Antifoam Compound

SILFOAM[®] SC 133 is an opaque, viscous, anhydrous compound that is effective against a wide range of surfactants.

Technical data

General Characteristics

Property	Condition	Value	Method
Active ingredient content	-	100 %	-
Appearance	-	slightly opaque, colorless	-
Density	25 °C	approx. 0.99 - 1.04 g/cm ³	DIN 12791
Refractive index	25 °C	1.4 - 1.41	DIN 51423
Viscosity, dynamic	25 °C Brookfield, spindle 3 / 10 rpm	approx. 27000 - 50000 mPa·s	Brookfield
Volatility	150 °C 2 h 5 g	approx. 0 - 1.5 %	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Antifoams for Household & Cleaning

Application details

SILFOAM® SC 133 is based on high-molecular polysiloxanes and has a mean viscosity of 30.000 mPas at 25°C. **Even in small amounts it is highly effective in suppressing foam in detergents and systems with high surfactant content. SILFOAM® SC 133 can be used for the production of antifoam powders for post-addition to powder detergents as foam suppressor.**

SILFOAM® SC 133 is an excellent defoamer for structured liquid detergents and it is a good deaerating agent and defoaming agent for gel products. SILFOAM® SC 133 can be also used for slurry deaeration.

Processing

SILFOAM® SC 133 can be processed to powder antifoams by various techniques: spray drying, spray mixing or adsorption. The resultant powders with an active content of 5-15% can be added to the final powder detergent in amounts of 0.5-2%.

SILFOAM® SC 133 can be used in small amounts for slurry deaerating in spraying processes, where the slurry should be free of air in the crutcher, storage tank and in the slurry pipes to the spray tower. SILFOAM® SC 133 should be metered into the crutcher (traditional soap mixer).

SILFOAM® SC 133 can be used as defoamer in structured liquid detergents and gel products if dispersibility and compatibility are adequate. This can be tested in preliminary dispersibility and compatibility tests.

If SILFOAM® SC 133 is not found to be sufficiently dispersible or compatible, we can recommend highly active derivatives with greater hydrophilicity such as SILFOAM® SE 36 and SILFOAM® SE 39 or the self-dispersing, anhydrous derivative SILFOAM® SD 168.

Recommend dosages:

- Powder detergent: ca. 0.1 - 0.5%
- Slurry deaeration: ca. 0.05%

Packaging and storage

Storage

Store in a dry and cool place.

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code SILFOAM® SC 133



For technical, quality or product safety questions, please contact:

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