

SILFOAM[®] eco SC 132



Silicone Antifoam Compound

SILFOAM[®] eco SC 132 is a viscous, opaque antifoam compound that is effective against a wide range of surfactants. In manufacturing SILFOAM[®] eco SC 132, 100 % of the fossil-based raw materials are substituted by renewable raw materials (biomethanol) based on a REDcert² mass balance approach audited by TÜV NORD.

Properties

Specific features

- Compound

Technical data

General Characteristics

Property	Condition	Value	Method
Active ingredients content	-	100 %	-
Appearance	-	opaque, colorless, oily	-
Density	25 °C	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 / 2,5 rpm	17500 - 30000 mPa·s	-
Volatility	150 °C 2 h 5 g	approx. 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

- Household & Cleaning Solutions

Application details

SILFOAM[®] eco SC 132 is based on high-molecular polysiloxanes and has an average viscosity of approx. 20,000 mPa s. Even small amounts are particularly effective in suppressing foam in laundry detergents and systems with a high surfactant concentration.

By virtue of its structure, SILFOAM[®] eco SC 132 can be used in smaller amounts than conventional silicone antifoam agents. This makes it particularly suitable for use in detergents and other formulations with a high surfactant concentration to ensure considerably more persistent foam suppression.

Despite its comparatively high viscosity, it is readily dispersible in aqueous surfactant formulations.

Apart from laundry detergents, SILFOAM[®] eco SC 132 is useful in wetting-agent-containing systems whose efficiency is reduced by the action of shearing and dispersion forces. SILFOAM[®] eco SC 132 also has a foam-suppressing and deaerating effect on anhydrous synthetic resins.

Processing

For the foam-control of laundry detergents, SILFOAM[®] eco SC 132 is incorporated into a powdery premix (in an amount of 5-15%) and the latter is then mixed into the powder detergent at the end of the manufacturing process (amount required: 1-2%).

SILFOAM[®] eco SC 132 is highly suitable for degassing slurries during detergent manufacture and is added to the slurry, thus permitting reliable process control in the spray drying of laundry detergents.

SILFOAM[®] eco SC 132 is used especially to deaerate the material in the feed lines to spray towers and to regulate the density of the resulting powder.

SILFOAM[®] eco SC 132 is added to structured liquid detergents as a foam-suppressant. If SILFOAM[®] eco SC 132 is not found to be sufficiently dispersible, we can recommend specialty products.

SILFOAM® eco SC 132 has a high foam-suppression capacity across the entire range of temperatures at which laundry detergents are used. Although it is formulated to have optimum resistance to alkalis, the user should always check its compatibility with his specific substrate by means of immersion tests.

Recommend dosages:

- detergent: ca. 0.1 - 0.5%
- structured liquid detergent: ca. 0.2 - 0.4%
- slurry deaeration: ca. 0.01 - 0.05%

Packaging and storage

Storage

Store in a dry and cool place.

After storage of SILFOAM® eco SC 132 an increased viscosity might be noticed. This product typical behavior can be reverted by agitation and/or slight temperature increase.

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® eco SC 132



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

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