SILFOAM® eco SC 1132

Silicone Antifoam Compound

SILFOAM® eco SC 1132 is an opaque, viscous, anhydrous compound that is effective against a wide range of surfactants. In manufacturing SILFOAM® eco SC 1132, 100 % of the fossil-based raw materials are substituted by renewable raw materials (biomethanol) based on a REDcert^2 mass balance approach audited by TÜV NORD.

Properties

Specific features

- Compound
- Technical grade

Technical data

General Characteristics

Property	Condition	Value	Method
Active ingredients content	-	100 %	-
Appearance	-	slightly opaque, colorless	-
Density	25 °C	approx. 0.99 - 1.04 g/cm^3	DIN 12791
Refractive index	25 °C	approx. 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.

Applications

- Household & Cleaning Solutions

Application details

SILFOAM® eco SC 1132 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® eco SC 1132 can be used for the production of antifoam powders for post-addition to powder detergents as foam suppressor.
SILFOAM® eco SC 1132 is an excellent defoamer for structured liquid detergents and it is a good deaerating agent and defoaming agent for gel products.
SILFOAM® eco SC 1132 can be also used for slurry deaeration.

Processing
SILFOAM® eco SC 1132 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® eco SC 1132 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® eco SC 1132 should be metered into the crutcher (traditional soap mixer).
SILFOAM® eco SC 1132 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® eco SC 1132 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

Further information for storage: Store in a dry and cool place. After storage of SILFOAM® eco SC 1132 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 1132

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

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