SILFOAM® SC 5260

Silicone Antifoam Compound

SILFOAM® SC 5260 is an anhydrous, low viscous and opaque high-performance silicone antifoam compound.

Properties

SILFOAM® SC 5260 is based on high-molecular polysiloxanes. It shows a relatively low viscosity, excellent foam control performance and a stable efficiency over a long period in formulations rich in surfactants. Since it also possesses resistance to alkalis and acids, it may further be used in a wide range of applications in which pH is critical.
By virtue of its structure SILFOAM® SC 5260 provides much better efficiency and persistency in pesticide formulations and surfactant concentrates and can therefore be used in smaller amounts than conventional silicone antifoam agents.

Technical data

General Characteristics

Property	Condition	Value	Method
Active content	-	100 %	-
Appearance	-	colourless, opaque	-
Density	25 °C | 1013 hPa	1 g/cm^3	DIN 51757
Flash point	-	> 130 °C	EN 22719
Ignition temperature	-	> 350 °C	DIN 51794
Refractive index	25 °C	approx. 1.405	DIN 51423
Viscosity, dynamic	25 °C	3500 mPa·s	Brookfield
Volatility	5 g | 2 h | 150 °C	approx. 0.2 %	-

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

Application details

Application
Apart from agricultural formulations, SILFOAM® SC 5260 is useful in surfactant-containing systems whose efficiency is reduced by action of shearing and dispersion forces.
Due to its relatively low viscosity, SILFOAM® SC 5260 is readily dispersible in aqueous surfactant formulations.
SILFOAM® SC 5260 offers excellent stability and processability at temperatures far below 0°C (32 °F).

Processing
Although SILFOAM® SC 5260 doesn't disperse spontaneously in water, it can be easily incorporated into surfactant concentrates. The contained surfactants can help to stabilize the antifoam agent within the formulation.
SILFOAM® SC 5260 can be dosed undiluted and is easily miscible with the foaming system by gentle to moderate stirring.
The final formulation should be evaluated by storage tests for possible migration of the silicone components within the formulation in order to avoid negative effects on its uniformity and foam control.
The typical dosage is in the range of 5 to 50 ppm referred to the final foaming formulation and is best determined by preliminary tests.
If SILFOAM® SC 5260 is applied in the form of a dispersion, the degree of dilution should be as low as possible. Suitable dispersing agents include toluene, methyl ethyl ketone, acetone and 2-ethyl hexanol.
After extended storage or if visible separation occurs, we recommend briefly stirring the product.
As a guideline, we suggest a stirring time of 10–30 minutes at a speed of 200 rpm.

Packaging and storage

Storage

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 5260

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

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