

SILFOAM[®] SE 2



Silicone Antifoam Emulsions

SILFOAM[®] SE 2 is a milky, comparatively viscous antifoam emulsion.

Properties

Legal regulations

SILFOAM[®] SE 2 is suitable for use under the following regulations for packaging materials and articles intended to come into contact with food:

- Regulation (EU) No. 10/2011 provided that the Specific migration limit (SML) of 1.8 mg/kg for the emulsifier is met.
- Recommendations of the BfR: XIV. Plastic Dispersions, XV. Silicones and XXXVI. Paper & Paperboard
- FDA 21 CFR § 176.170, 176.180, 176.200 and 176.210

Regulatory sanctioning of the ingredients in a product does not imply that the finished product manufactured from those ingredients is considered safe by regulatory bodies. Responsibility for compliance with the above mentioned requirements resides with the manufacturer of the finished products

Specific features

- Emulsions
- Food-contact
- Listed in EPA database

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	milky, white	-
Active content	-	20 %	-
Density	20 °C	approx. 1 g/cm ³	DIN 51757
Emulsifier type	-	o/w, nonionic	-
Solid content	-	22 - 25 %	-
Viscosity, dynamic	25 °C	6000 - 30000 mPa·s	Brookfield
pH	25 °C	3.0 - 5.0	Indicator strips

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

- Agricultural Solutions

Application details

Processing

In general we recommend to stir the emulsion before use (approx. 3 minutes with a propeller stirrer at 200 – 400 rpm). But be cautious: too high shear can break the emulsion.

SILFOAM® SE 2 can be used undiluted or in dilutions (e.g. 1 : 10 - 1 : 50) made with cold water. It is added either in portions or continuously to the process or product concerned. The antifoam emulsion disperses readily without the need for high shear forces. Dilutions should be used up as soon as possible.

Application

SILFOAM® SE 2 is used in different fields, including cosmetic and food contact applications. SILFOAM® SE 2 contains broad-spectrum, physiologically safe active ingredients based on polydimethylsiloxane / silica it may be widely used for controlling foam in systems and products which themselves might come into indirect contact with foodstuffs, such as cleaners for food containers, conveyor systems, storage surfaces. Its efficient emulsifier system supports the product in other areas as well, such as the manufacture of dispersions for food applications, agrochemical formulations, biotechnological processes, the production of packing materials and their coatings as well as wastewater treatment from foodstuffs production. Moreover, SILFOAM® SE 2 readily lends itself to use for effective foam control in alcohol fermentation processes in which the alcoholic fraction is distilled off afterwards.

Packaging and storage

Storage

Minimum temperature allowed during storage and transportation: 0 °C

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® SE 2



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

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