

Product Information

85390 Silicon Antifoam

Characteristics

SILICONE ANTIFOAM, which contains 20 % active ingredient and 33 % solids, is a versatile antifoam that is comparatively rich in emulsifier but is nonetheless easily metered because it has a relatively low viscosity. Since SILICONE ANTIFOAM also possesses high resistance to alkalis and acids, it may further be used in a wide range of applications in which pH is critical.

Application

SILICONE ANTIFOAM has proved ideal for tackling foam in textile auxiliaries and processes, for incorporation into cooling lubricants based on mineral oils, for separation of monomers from dispersions and conversion of dispersion into derivatives. SILICONE ANTIFOAM is a useful auxiliary for combating foam generated in surfactant containing formulations employed in the most diverse areas, such as the agrochemicals (plant protection agents), cleaners and petrochemicals industries. SILICONE ANTIFOAM is also an efficient defoamer for treating wastewater.

Processing

As SILICONE ANTIFOAM is a low-viscosity emulsion, it can be metered readily, with stable dispersions easily attainable in high-viscosity formulations. In low viscosity products, preliminary compatibility and stability tests should be performed on the system to be de-foamed. The amount to add to liquid formulations depends on the desired degree of foam control, but usually lies between 0.1 and 2 %. If SILICONE ANTIFOAM is to be added during a process, we recommend pre-diluting it with cold water in a ratio of 1:1 to 1:10. If feed pumps are used, they should be of the low shear force type.

Storage

SILICONE ANTIFOAM has a recommended retest period of 16 months when stored at room temperature in the tightly closed original container. The recommended retest date of each lot appears on the respective Certificate of Analysis. 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.

Product data

Property	Method	Unit	Value
Appearance			white
Active content, approx.		[%]	20
Solids content, approx.	microwave oven	[%]	33
Ionic nature			Nonionic
Viscosity (25 °C), approx.	spindle 1, 50 rpm	[mPa s]	150
pH, approx.	indicator strips		5.0–8.0
Density (25 °C), approx.	DIN 12791	[g/mL]	1.0

These figures are only intended as a guide and should not be used in preparing specifications. They refer to manufacturer information.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.