

SiSiB® DF1100 Modified Silicone Resin Defoamer

INTRODUCTION

SiSiB® DF1100 is a modified silicone resin defoamer developed for foam control in oil-based and other non-aqueous industrial systems. It is formulated with polysiloxanes, silicone resins and other functional components to provide rapid foam knockdown and sustained antifoaming performance.

SiSiB® DF1100 is designed for demanding processing conditions, including elevated temperatures and high shear. It offers resistance to strongly acidic and alkaline conditions and can also be used as a silicone-based concentrate for formulating antifoam emulsions.

BENEFITS

- Rapid foam knockdown in oil-based systems.
- Sustained antifoaming performance.
- Suitable for elevated-temperature and high-shear processing.
- Good resistance to strongly acidic and alkaline conditions.
- Suitable as a concentrate for silicone antifoam emulsions.

PHYSICAL PROPERTIES

Appearance	Off-white viscous liquid
Chemical Type	Modified silicone resin defoamer
Viscosity (25°C), cSt	150 – 3500
Volatile (105°C, 2 h), %	Max. 1.5

These values are typical and are not intended for use as specifications.

APPLICATIONS

SiSiB® DF1100 is designed for foam control in oil-based and other non-aqueous industrial processes. It helps control foam formation and accumulation during production, including processes involving elevated temperatures or high shear.

SiSiB® DF1100 can also serve as a silicone-based concentrate for preparing antifoam emulsions, offering flexibility in the development of application-specific foam-control formulations.

RECOMMENDED DOSAGE

An initial dosage of approximately 0.01% (100 ppm) by weight of SiSiB® DF1100 is recommended for evaluation. The optimum dosage should be determined through application trials according to the formulation,

SiSiB® DF1100 Modified Silicone Resin Defoamer

processing conditions and required level of foam control.

PACKING

SiSiB® DF1100 is supplied in 25 kg drums, 200 kg plastic or steel drums, and 1,000 kg IBCs.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

Keep the container tightly closed and store in a cool, dry and well-ventilated place. SiSiB® DF1100 has a shelf life of 12 months from the date of manufacture in the original unopened packaging. Protect from freezing.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.