

SiSiB® DF1072 Alkali-Resistant Silicone Defoamer

INTRODUCTION

SiSiB® DF1072 is a nonionic silicone defoamer emulsion designed for foam control in aqueous industrial systems. It disperses readily in water and provides effective foam knockdown and sustained foam suppression in surfactant-containing formulations.

BENEFITS

- Effective foam knockdown in aqueous formulations
- Sustained foam suppression during processing
- Good dispersibility in water
- Suitable for anionic and nonionic surfactant systems
- Designed for alkaline aqueous cleaning systems

PHYSICAL PROPERTIES

Appearance	White emulsion
Ionic character	Nonionic
Nonvolatile matter, %	20–25
Density, g/cm ³	0.98–1.02
pH	6–9
Centrifugal stability	No separation
	(3,000 rpm, 20 min)
Dispersibility in water	Dispersible

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

APPLICATIONS

SiSiB® DF1072 is intended for foam control in aqueous industrial cleaning systems, including alkaline washing formulations for PET recycling. It is also used in anionic and nonionic surfactant concentrates, circulating-water systems, wastewater treatment and water-based cutting fluids where sustained foam control is needed.

RECOMMENDED DOSAGE

Add SiSiB® DF1072 to surfactant concentrates with low-to-medium-speed stirring to ensure uniform distribution. The factory recommends an addition level of 0.1–0.5%, depending on the formulation and foam load. For process addition, use the product as supplied or pre-dilute with water at a product-to-water ratio of 1:1 to 1:10.

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PACKING

SiSiB® DF1072 is supplied in 25 kg pails, 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. Protect from freezing. SiSiB® DF1072 has a shelf life of 12 months from the date of manufacture in the original unopened packaging.

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.

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