

SiSiB® DF1013 Silicone Defoamer

INTRODUCTION

SiSiB® DF1013 is a silicone antifoam emulsion designed for effective foam control in textile processing and a variety of aqueous industrial systems. It provides rapid foam knockdown together with good antifoam persistence and maintains stable performance over a broad pH range.

SiSiB® DF1013 offers good dilution stability and can be readily incorporated into water-based systems. It is particularly suitable for textile sizing and dyeing processes at moderate temperatures, as well as adhesives, cutting fluids and other aqueous industrial applications.

BENEFITS

- Rapid foam knockdown and effective antifoam performance
- Good dilution and storage stability
- Stable performance over a broad pH range
- Suitable for textile sizing and dyeing processes
- Easy incorporation into aqueous systems
- Effective at low addition levels

PHYSICAL PROPERTIES

Appearance	White liquid
Non-volatile matter (%)	19-22
pH	6.5-8.5
Centrifugal Stability (3000 rpm/20 min)	No delamination

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

APPLICATIONS

SiSiB® DF1013 is suitable for foam control in textile sizing, dyeing and finishing processes, particularly at processing temperatures below 80°C. It may also be used in water-based adhesives, cutting fluids and other aqueous industrial processes where effective and persistent foam control is required.

USAGE GUIDELINES

The recommended addition level is generally 0.01-0.10% based on the total formulation. For textile sizing applications, an addition level of 0.10-0.25% is generally recommended.

The optimum dosage depends on the formulation, foaming conditions and

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processing requirements. Preliminary trials are recommended to determine the appropriate addition level.

SiSiB® DF1013 may be added directly to the system or diluted with water before use. When pre-dilution is required, gentle agitation is recommended to obtain a uniform dispersion.

A dilution ratio of approximately 1:5 may be used as a starting point. The diluted product should be evaluated for compatibility and storage stability under actual formulation conditions.

PACKING

SiSiB® DF1013 is supplied in 25Kg pails, 200Kg drums, or 1000Kg IBC.

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

Store in the original unopened container in a cool, dry and well-ventilated place. Keep the container tightly closed and protect the product from freezing and excessive heat.

SiSiB® DF1013 has a shelf life of 12 months from the date of manufacture

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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