

## SiSiB® DF1021 Silicone Defoamer

### INTRODUCTION

SiSiB® DF1021 is a food-grade compound defoamer produced in compliance with national standard GB26687-2011. It combines polydimethylsiloxane emulsion and polyoxyethylene glycerol ether via high-speed shearing and complex emulsification. This formulation offers the rapid defoaming performance of silicone and the durable antifoam persistence of polyether. It is highly effective across a wide range of fermentation processes.

### BENEFITS

- Fast defoaming and long-lasting antifoaming
- Excellent stability in fermentation conditions
- Broad compatibility with various fermentation media
- Food-grade, compliant with GB26687-2011

### PHYSICAL PROPERTIES

Appearance	White emulsion
Arsenic Content (mg/kg)	Max.2.0
Lead Content (mg/kg)	Max.2.0

### APPLICATIONS

SiSiB® DF1021 is widely used in the fermentation of:

- Amino acids: Glutamic acid, Lysine, Leucine
- Enzymes and bio-products: Enzyme preparations, Coenzyme Q10
- Vitamins: Vitamin C, B2, B12, DHA, ARA
- Organic acids and antibiotics: Citric acid, Penicillin, Oxytetracycline, Erythromycin, Gentamicin

It delivers excellent defoaming and long-lasting antifoaming performance, outperforming conventional polyether defoamers.

### PACKING

SiSiB® DF1021 is supplied in 25KG plastic pails, 200KG steel drums and 1000KG IBC totes.

### 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.

## SiSiB® DF1021 Silicone Defoamer

### STORAGE

SiSiB® DF1021 has a shelf life of 12 months from the date of production.

It should be stored in a dry and ventilated place. Pay attention to prevent humidity or 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.

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