

## SiSiB® SEM349 High-Solids Nonionic Silicone Emulsion

### INTRODUCTION

SiSiB® SEM349 is a high-solids, non-ionic polydimethylsiloxane (PDMS) emulsion containing approximately 60% active silicone. Due to its non-ionic nature, it exhibits excellent compatibility with nonionic, anionic, and cationic surfactant or polymer systems without instability or complex formation.

It provides excellent wetting, slip, and surface lubricity while maintaining good emulsion stability at temperatures below 50°C. The higher active silicone content enables improved formulation efficiency and reduced dosage in many applications.

### FEATURES & BENEFITS

- High active silicone content for enhanced formulation efficiency
- Delivers durable gloss with minimal smear and streaking
- Provides excellent slip, lubricity, and surface smoothness
- Broad compatibility with nonionic, anionic, and cationic systems
- Stable emulsion performance below 50°C
- Suitable for both surface finishing and process lubrication applications

### PHYSICAL PROPERTIES

Appearance	Milky white
Non-volatile content	55-65%
Specific gravity (25°C)	0.98-1.00
pH value	6.0-8.0
Emulsifier types	Non-ionic

*These values are typical and not intended for specification purposes.*

### APPLICATIONS

SiSiB® SEM349 is widely used in:

- **Car care and furniture polish formulations**, providing high gloss with minimal smear.
- **Release agent applications** for plastics and rubber components (e.g., stoppers, screw caps, bungs).
- **Lubrication of extruded rubber profiles and conveyor belts.**
- **Lubricant for textile machinery and processing equipment.**

Its higher silicone content makes it particularly suitable for applications requiring enhanced gloss, durability, and lubrication efficiency.

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### PACKING

SiSiB® SEM349 is supplied in 20Kg pail or 200kg plastic drum.

### 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 SiSiB® SEM349 in a cool, dry place away from direct sunlight. Protect from freezing and excessive heat. Keep containers tightly sealed when not in use.

When stored in the original unopened packaging under recommended conditions, SiSiB® SEM349 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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