SiSiB® SF2308 Polyether Modified Silicone Fluid

INTRODUCTION

SiSiB® SF2308 is a polyether-modified silicone fluid designed for industrial processing applications. By combining the hydrophilicity of polyether segments with the hydrophobic characteristics of silicone, it exhibits excellent dispersibility and emulsification in aqueous systems. Its low surface tension and outstanding lubricity make it an effective release and anti-sticking additive for various molding and forming processes.

FEATURES & BENEFITS

- Low surface tension for easy mold release
- Excellent lubricity, forming a uniform lubricating film
- Good hydrophilicity and dispersibility in water-based systems
- Non-ionic structure with good formulation compatibility
- Stable performance under recommended storage conditions

PHYSICAL PROPERTIES

Appearance	Clear liquid
Color	Colorless to light amber
Active ingredient (%)	100
Viscosity (25°C, cSt)	600-2,000
Cloud Point (1% aq.)	40-55°C

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

APPLICATIONS

SiSiB® SF2308 is designed for use in molding and processing operations where effective release, lubrication, and anti-sticking performance are required, particularly in water-based systems.

- Water-based mold release formulations
- Plastic processing and molding operations
- Rubber molding and vulcanization processes
- Composite material forming and demolding
- Lubrication and anti-sticking on mold contact surfaces
- Industrial processes requiring reduced friction and improved release performance

USAGE GUIDELINES

SiSiB® SF2308 should be diluted with water prior to use. The appropriate dilution ratio depends on the mold material, product geometry, and demolding difficulty, and should be determined through practical trials. In

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general, typical working dilutions range from 1:10 to 1:50 or lower.

When preparing the working solution, the product should be slowly added to water under continuous stirring until a homogeneous dispersion is obtained. Neutral or weakly alkaline water is recommended to ensure optimal performance and stability.

PACKING

SiSiB® SF2308 is supplied in 25Kg plastic pail or 200Kg steel 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

When stored at ambient temperature in the original unopened packing, SiSiB® SF2308 has a shelf life of 12 months from the date of production.

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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