

SiSiB[®] SEM509 Silicone Emulsion

INTRODUCTION

SiSiB[®] SEM509 is a long-chain alkylarylpolysiloxane emulsion, which emulsified form enhances compatibility with aqueous systems.

PHYSICAL PROPERTIES

Color and Appearance	Milky white liquid
Non-volatile content	~50%
Emulsifier types	Nonionic
pH	7
Diluent	Water

APPLICATIONS

SiSiB[®] SEM509 is specifically designed for molding and die-casting applications involving soft metals such as aluminum and its alloys, zinc, and magnesium. It also functions as a high-temperature mold release agent in the manufacturing of rubber, tires, and plastics, making it a versatile solution across multiple industrial sectors.

SiSiB[®] SEM509 provides reliable release for parts destined for coating, painting, bonding, or plating. Its optimized formulation significantly reduces the risk of defects and adhesion issues during the manufacturing process, thereby enhancing overall production efficiency and quality.

SiSiB[®] SEM509 features a stable emulsion that maintains its integrity under conditions of dilution and shear, delivering consistent performance while using only minimal amounts. SiSiB[®] SEM509 is also ideal for applications where articles require post-processing.

RECOMMENDED DOSAGE

Wipe, brush or spray the emulsion in diluted form. SiSiB[®] SEM509 can be used alone or compounded with wax emulsion. Recommended starting dilution is 1:300~500 (SEM509 Emulsion to water).

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

PACKING

SiSiB[®] SEM509 is supplied in 200Kg drum.

HANDLING

This document does not contain the product safety information required for

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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

In the original unopened packaging, SiSiB[®] SEM509 has a shelf life of 12 months in a dry and cool place.

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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