

SiSiB® CS5056 Aminoalkyl-Functional Silicone Fluid

INTRODUCTION

SiSiB® CS5056 is an aminoalkyl-functional polydimethylsiloxane. Compared with conventional curable amino silicone fluids, it offers improved storage stability both as supplied and in ready-to-use formulations.

The amino functionality provides good affinity to a variety of substrates. After neutralization with suitable organic acids, SiSiB® CS5056 is converted into its cationic form and can be used effectively in rinse-off, automotive care and surface-conditioning formulations.

FEATURES & BENEFITS

- Excellent substrate affinity
- Improves gloss and color depth
- Provides durable water repellency
- Improves wash resistance
- Enhances surface lubricity
- Good formulation compatibility
- Low tendency to build up during repeated application

PHYSICAL PROPERTIES

Color	Colorless to light yellow
Appearance	Clear liquid
Viscosity (25°C, mPa·s)	20-100
Density at 25°C, g/cm ³	0.97

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

APPLICATIONS

SiSiB® CS5056 is suitable for automotive care products, car polishes, paint conditioners, rinse-off agents, surface-care formulations, wash-and-wax products, water-repellent treatments for glass and selected polyurethane-processing applications.

In rinse-off formulations for automatic car washes, SiSiB® CS5056 may be neutralized with suitable organic acids to form its cationic form, thereby increasing its affinity to vehicle surfaces. In combination with suitable emulsifiers and surfactants, it promotes water-film break-up and sheeting while improving surface conditioning and gloss. It can be used repeatedly with a low tendency to form surface deposits.

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USAGE GUIDELINES

The recommended use level is generally 0.1-10.0%, depending on the formulation and the required performance.

Where a cationic form is required, SiSiB® CS5056 may be neutralized with a suitable organic acid before incorporation.

For aqueous formulations, an appropriate emulsification or solubilization procedure should be used rather than direct blending with water.

Compatibility and performance should be evaluated in the final formulation before use.

PACKING

SiSiB® CS5056 is supplied in 20Kg pail or 200Kg drum.

STORAGE

Keep the container tightly closed and store in a cool, dry and well-ventilated place. SiSiB® CS5056 has a shelf life of 12 months from the date of manufacture in the original unopened packaging.

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.

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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