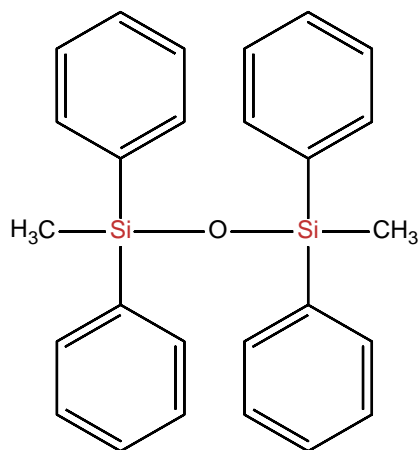


SiSiB® PC9422 SILOXANE

CHEMICAL NAME 1,3-Dimethyl-1,1,3,3-tetraphenyldisiloxane

CHEMICAL STRUCTURE



INTRODUCTION SiSiB® PC9422 is a disiloxane featuring two phenyl and one methyl group on each silicon atom. This structure provides excellent thermal stability and low volatility. It is a colorless to pale yellow liquid, readily soluble in organic solvents like toluene and acetone.

CAS NUMBER 807-28-3

EINECS NUMBER 212-361-3

PHYSICAL PROPERTIES

Formula	C ₂₆ H ₂₆ OSi ₂
Molecular Weight	410.65
Melting Point	46-49°C
Boiling Point	442°C
Color and Appearance	Colorless translucent liquid (T > 50°C)
	White solid (T < 50°C)
Density _{25/25°C}	1.08

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

APPLICATIONS SiSiB® PC9422 is an essential intermediate in the synthesis of specialty

SiSiB® PC9422 SILOXANE

silicone materials. It is widely employed as an end-capping agent for phenyl-modified silicone oils, allowing precise control over polymer chain termination. This structural control enhances radiation resistance, improves thermal stability, and significantly elevates the overall performance of advanced materials, including LED encapsulant adhesives and high-temperature heat transfer fluids.

PACKING

SiSiB® PC9422 is available in 200Kg open-top steel drum or 25Kg cardboard drum.

STORAGE

SiSiB® PC9422 may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.