



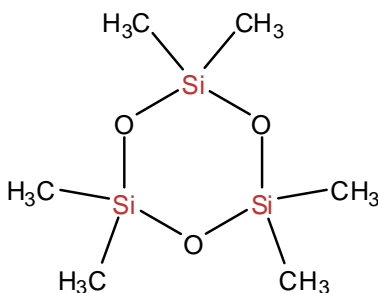
SiSiB[®] PC9240 SILOXANE

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CHEMICAL NAME

Hexamethylcyclotrisiloxane (D3)

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC9240 Hexamethylcyclotrisiloxane is the simplest member of a series of cyclic oligodimethylsiloxanes. SiSiB[®] PC9240 is one of the main raw materials for silicone products. It is widely used in aviation, military industry, medicine and petrochemicals etc.

TYPICAL PHYSICAL PROPERTIES

CAS No.	541-05-9
EINECS No.	208-765-4
Formula	C ₆ H ₁₈ O ₃ Si ₃
Molecular Weight	222.46
Boiling Point	134°C
Flash Point	35°C
Melting Point	65°C
Color and Appearance	White crystalline powder
Density _{25/25°C}	1.02
Refractive Index	1.4270 [25°C]
Purity:	Min.98.0%

Power Chemical
ISO9001 ISO14001 certified

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Solubility: soluble in most organic solvents.

APPLICATIONS

SiSiB[®] PC9240 may be used as synthetic equivalents for the reactive intermediate dimethylsilanone.

SiSiB[®] PC9240 may be used as an effective trapping reagent for a variety of short-lived intermediates, including silanones and silyenes.

SiSiB[®] PC9240 (D3) has many unique characteristics than SiSiB[®] PC9100 (D4).

- a. The reaction of SiSiB[®] PC9240 is more active, can be easily and quickly polymerized under lower temperature and simple catalysts.
- b. SiSiB[®] PC9240 may be used to synthesize many kinds of organic silicone products, which have better stability, better insulation properties and better water resistance.
- c. SiSiB[®] PC9240 may be used to synthesize silicon rubber, which may has better elasticity, better abrasive resistance, and better corrosive resistance.
- d. SiSiB[®] PC9240 may be used to synthesize silicone oil, which may has lower freezing point and less surface tension, it is slightly affected by temperature.

PACKING AND STORAGE

SiSiB[®] PC9240 is packaged in carton, net weight 25Kg, or steel drum, net weight 170 kg.

In the unopened original container SiSiB[®] PC9240 has a shelf life of one year in a dry and cool place.

NOTES

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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Please send all technical questions concerning quality and product safety to:
silanes@SiSiB.com.

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