

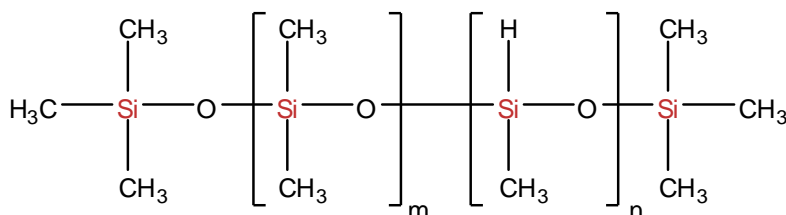
# SiSiB<sup>®</sup> HF2050-70H18

## Hydride Functional Silicone Fluid

### CHEMICAL NAME

Methylhydrosiloxane-dimethylsiloxane copolymer Trimethylsiloxy terminated

### CHEMICAL STRUCTURE



### INTRODUCTION

SiSiB<sup>®</sup> HF2050-70H18 is a hydride functional silicone fluid. The hydrides are pendant groups.

### TYPICAL PHYSICAL PROPERTIES

CAS No.	68037-59-2
EINECS No.	614-223-1
Color and Appearance	Colorless transparent liquid
Silicone Content	100%
Specific Gravity <sub>25°C</sub>	0.980~0.990
Refractive Index <sub>25°C</sub>	1.4010~1.4050
Volatile Content	Max.1% [150°C, 3hrs]
SiH content [mmol/g]	1.8
Viscosity <sub>25°C</sub>	70 cSt

Remark: SiSiB<sup>®</sup> HF2050 is available in different viscosities and different Si-H content.

### APPLICATIONS

SiSiB<sup>®</sup> HF2050-70H18 is primarily used as crosslinkers for curing vinyl-functional silicone fluids. With different Si-H content, it can provide good flexibility in formulating RTV-2

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silicone rubber. Curing is affected by a platinum catalyst resulting in an addition reaction between the hydrogen and the vinyl group of the silicones.

SiSiB<sup>®</sup> HF2050-70H18 can also be used as a reactive intermediate to make organo-modified silicones via hydrosilations. Functional groups normally attached in this way include allyl terminated polyethylene or polypropylene glycols, amines, and epoxies.

### PACKING AND STORAGE

SiSiB<sup>®</sup> HF2050-70H18 is supplied in 5Kg, 25Kg pail or 200Kg steel drum.

In the original unopened packaging, SiSiB<sup>®</sup> HF2050-15H18 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.

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.

Please send all technical questions concerning quality and product safety to: [support@SiSiB.com](mailto:support@SiSiB.com).