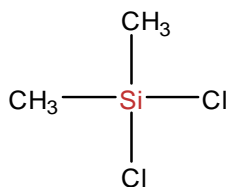


# SiSiB<sup>®</sup> PC5220

## Dimethyldichlorosilane

### CHEMICAL STRUCTURE



### INTRODUCTION

SiSiB<sup>®</sup> PC5130, SiSiB<sup>®</sup> PC5220 and SiSiB<sup>®</sup> PC5310 are formed by reaction of metallic silicon or ferrosilicon with hydrogen chloride or chlorine. SiSiB<sup>®</sup> PC5220 is a colorless clear liquid.

### TYPICAL PHYSICAL PROPERTIES

CAS No.	75-78-5
EINECS No.	200-901-0
Formula	C <sub>2</sub> H <sub>6</sub> Cl <sub>2</sub> Si
Molecular Weight	129.06
Boiling Point	70°C [760mmHg]
Flash Point	-7°C
Color and Appearance	Colorless clear liquid
Density <sub>25/25°C</sub>	1.07
Refractive Index	1.4022 [25°C]
Min. Purity	99.8%

### APPLICATIONS

Methyl chlorosilanes have one to three methyl groups. In the case of SiSiB<sup>®</sup> PC5220, dichlorodimethylsilane, two chlorine atoms are available, so that a reaction with excess water produces a linear chain of ether-like linkages between silicon atoms. As in polyethers, these flexible linkages produce a rubbery polymer, polydimethylsiloxane (PDMS). Trichloromethylsilane (SiSiB<sup>®</sup> PC5310) can be used to induce branching and cross-linking in PDMS molecules, while chlorotrimethylsilane serves to end backbone chains, limiting molecular weight.

# SiSiB<sup>®</sup> PC5220

## *Dimethyldichlorosilane*

### PACKING AND STORAGE

SiSiB<sup>®</sup> PC5220 is supplied in 200Kg steel drum.

In the unopened original container SiSiB<sup>®</sup> PC5220 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](mailto:silanes@SiSiB.com).