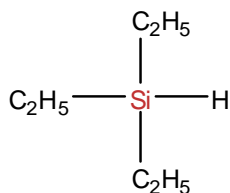


# SiSiB<sup>®</sup> PC5603

## Triethylsilane

### CHEMICAL STRUCTURE



### INTRODUCTION

SiSiB<sup>®</sup> PC5603 is a clear, colorless and highly flammable liquid. It is a selective reducing and silylating agent.

### TYPICAL PHYSICAL PROPERTIES

CAS No.	617-86-7
EINECS No.	210-535-3
Formula	C <sub>6</sub> H <sub>16</sub> Si
Molecular Weight	116.28
Boiling Point	107°C [760mmHg]
Flash Point	-3°C
Color and Appearance	Colorless clear liquid
Density <sub>25/25°C</sub>	0.73
Refractive Index	1.4123[25°C]
Min. Purity	99.0%

### APPLICATIONS

SiSiB<sup>®</sup> PC5603 is thermally stable and reacts readily with water or alcohols in presence of acids or base to generate highly flammable hydrogen gas.

SiSiB<sup>®</sup> PC5603 is the hydride source in many selective reductions among which is the reduction of acetals and ketals to ethers. In combination with an alkoxy silane, triethylsilane can bring about the reductive etherification of ketones or aldehydes.

SiSiB<sup>®</sup> PC5603 is used with TFA in ionic hydrogenation as an alternative to catalytic hydrogenation.

# SiSiB<sup>®</sup> PC5603

## *Triethylsilane*

SiSiB<sup>®</sup> PC5603 reacts as silyating agent for derivatization of alcohols, phenols etc.

### PACKING AND STORAGE

SiSiB<sup>®</sup> PC5603 is supplied in net weight 150Kg steel drum.

In the unopened original container SiSiB<sup>®</sup> PC5603 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: [silanes@SiSiB.com](mailto:silanes@SiSiB.com).