



## Technical Data Sheet

# DOWSIL™ Z-6701 Silane

### FEATURES

- Reactive silane for hydrosilylation reactions
- High purity – 99% minimum

### BENEFITS

- Allows incorporation of reactive methoxy silane groups, allowing moisture cure or improved interaction to fillers, e.g. ATH or glass surface

### COMPOSITION

- Methyl dimethoxy silane

### APPLICATIONS

- Modifications by hydrosilylation reaction

### TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications.

Property <sup>1</sup>	Unit	Result
Appearance		Colorless liquid, free from haze and solids
Color	Apha	10
Chloride	ppm	< 100
Acid number	mg KOH/g	0,000-0,016
Purity	%	Min 99

<sup>1</sup>CTM: Corporate Test Method, copies of CTMs are available upon request.

### DESCRIPTION

DOWSIL™ Z-6701 Silane is a reactive silane, containing both Si-H and methoxy functional groups. The SiH group can be utilized for hydrosilylation reaction.

### HOW TO USE

The required quantity for hydrosilylation reaction should in general follow the 1:1 molar ratio between SiH and vinyl (allyl) group, nevertheless a slight excess may be needed to accomplish a complete reaction. The reaction typically requires elevated temperature (e.g. 80-90°C) with temperature control to remove heat of reaction. Typical catalysts for hydrosilylation are applied, e.g. platinum containing catalyst.

### HANDLING PRECAUTIONS

The user should incorporate proper handling and processing procedures to avoid flame and ignition sources. Please refer to the material safety data sheet for further information.

### PRODUCT SAFETY INFORMATION REQUIRED FOR

**SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT [WWW.CONSUMER.DOW.COM](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.**

### USABLE LIFE AND STORAGE

When stored at or below 30°C (86°F) in the original unopened containers, this product has a usable life of at least 12 months from the date of production. Please store at or below 30°C in the original unopened containers.

### PACKAGING INFORMATION

For information, please consult your local representative.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local Dow representative.

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