



## Technical Data Sheet

### DOWSIL™ Z-6015 Silane

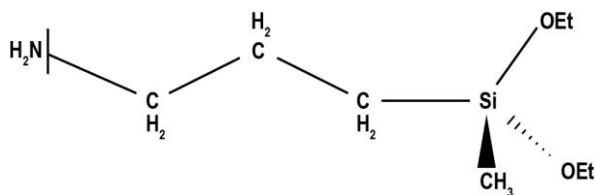
Amino functional dialkoxy silane

#### Features & Benefits

- Aminopropyl reactive group
- Diethoxy functional
- Provides coupling between inorganic surfaces (such as clay, glass, etc.) and organic rubbers, plastics and resins.
- Improved composite wet and dry properties
- Improved electrical properties of filled composites
- Improved processing properties of composites:
  - Easier/better filler dispersion
  - Lower viscosity mixes
  - Higher filler loading
- Diethoxy functionality does not give crosslinked resinous products on hydrolysis
- Functionalisation of silicones through reaction of diethoxy groups with suitable siloxane building blocks

#### Composition

- 3 Aminopropylmethyldiethoxysilane



- Case No: 3179-76-8

#### Applications

- Coupling agent to improve the adhesion of plastics, resins and elastomers to inorganic fillers and surfaces
- Additive for foundry resins
- Additive for chemical modification of sealants and adhesives
- Synthesis of functional silicones

#### Typical Properties

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

Property	Unit	Result
Appearance		Colorless
Odor		Amine like odor
Specific gravity at 25°C		0.92

## Typical Properties (Cont.)

Property	Unit	Result
Viscosity at 25°C	mm <sup>2</sup> /s (cSt)	1
Flash point, PM closed cup	°C/°F	68/154
Purity	%	>/ = 97.0

### Description

DOWSIL™ Z-6015 Silane is an organofunctional reactive silane. It has a reactive aminopropyl organic groups and a diethoxysilyl inorganic group.

### Handling

This alkoxysilane will hydrolyze when combined with water to form ethanol.

### Precautions

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 temperatures below 35°C (95°F) in airtight containers, DOWSIL Z-6015 Silane has a shelf life of 24 months from date of manufacture.

### 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.

<http://www.consumer.dow.com>

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