



Technical Data Sheet

DOWSIL™ Z-6005 Silane

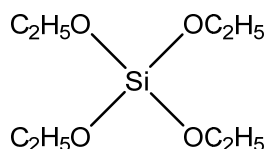
High purity tetraethoxy silane

Features & Benefits

- High purity tetraethoxy silane (Tetra Ethoxy ortho-Silicate, TEOS)
- Reactive alkoxysilane can be used as cross linker
- Only ethanol emission
- Less impurities (ethanol, water, chloride)

Composition

- Tetraethoxy silane (Tetra Ethoxy ortho-Silicate, TEOS)



Applications

- Building block to prepare new silicone polymer
- Ingredient for sol-gel coating
- Coating formulation

Typical Properties

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

Property	Unit	Result
Appearance		Clear liquid
Purity	%	> 99.0
Impurity (Ethanol)	%	< 0.1
Water Content	ppm	< 100
CAS Number		78-10-4

Description

DOWSIL™ Z-6005 Silane has reactive ethoxysilane functionality and it can work as cross linker. It releases only ethanol by reaction. DOWSIL™ Z-6005 Silane can be used as ingredient to prepare silicone containing polymer such as silicone resin. DOWSIL™ Z-6005 Silane is a high purity tetraethoxysilane. It contains less ethanol and water compare to XIAMETER™ OFS-6697 Tetraethoxysilane.

**Handling
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 DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

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, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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