

N-Octadecyltrimethoxysilane

Moisture-sensitive alkylsilane for qualified inorganic-surface modification and hydrophobic treatments.

CAS No. 3069-42-9	EC / List No. 221-339-2	Transport Non-dangerous goods
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Product Information

Moisture-sensitive alkylsilane for qualified inorganic-surface modification and hydrophobic treatments.

Specifications

Parameter	Specification
Appearance	Colourless, transparent liquid above the melting range
Purity	>92.0 %
Refractive index, n _{25D}	1.4340–1.4440
Density, literature reference	0.883 g/mL at 25°C
Melting range, literature reference	16–17 °C

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C ₂₁ H ₄₆ O ₃ Si
Molecular weight	374.68 g/mol

Applications

Inorganic filler modification: Alkylsilane for selected silica, alumina and mineral-filler surface treatments.

Hydrophobic glass and coating development: Ingredient for technically qualified hydrophobic surface treatments.

Silane coupling formulations: Raw material for selected silane coupling and surface-modification packages.

Packaging / Storage

Item	Information
Packing	200 L drums or IBC
Storage	Keep sealed in dry compatible containers, protected from moisture, heat and strong oxidizers. Maintain the temperature conditions on the agreed grade label; the material may solidify around 16–17°C. Do not introduce water during transfer.
Shelf life	One year in sealed original packaging under the specified storage conditions.
Handling	Use dry, controlled transfer and local ventilation. Avoid mist and direct skin or eye contact; wear chemical-resistant gloves, goggles and protective work clothing. Hydrolysis releases methanol, so control vapour during any qualified aqueous processing.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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