

Perfluorodecyltriethoxysilane

Fluorinated silane for qualified low-surface-energy coatings and inorganic-surface modification.

CAS No. 101947-16-4	EC / List No. 435-230-4	Transport Non-dangerous goods
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Product Information

Fluorinated silane for qualified low-surface-energy coatings and inorganic-surface modification.

Specifications

Parameter	Specification
Appearance at 20°C	Colourless transparent liquid
Purity, supply specification	Purity >96.0%
Refractive index, n _{25D}	1.3370–1.3470
Density, typical reference	1.389 g/mL at 25°C (typical reference)

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

Typical Properties

Property	Typical Value
Molecular formula	C ₁₆ H ₁₉ F ₁₇ O ₃ Si
Molecular weight	610.38 g/mol

Applications

Water- and oil-repellent surface treatments: Ingredient for qualified surface-treatment processes.

Release and anti-fingerprint coatings: Fluorosilane raw material for selected release or anti-fingerprint coating development.

Inorganic surface and sol-gel modification: Ingredient for technically controlled inorganic-surface and sol-gel development.

Packaging / Storage

Item	Information
Packing	200 kg drums
Storage	Keep tightly sealed in dry compatible containers in a cool, ventilated area with secondary containment. Protect from moisture, heat, ignition sources and strong oxidizing agents. Restrict access and prevent any release to drains or water.
Shelf life	One year in sealed original packaging under the specified storage conditions.
Handling	Use closed dry transfer with effective local extraction and restrict access to trained personnel. Avoid all vapour, mist and direct contact; wear task-qualified chemical protection and tight goggles with face protection. Protect personnel during pregnancy and nursing from exposure. Maintain immediate eye-washing and medical-response arrangements.

Company Contact

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