Perfluorodecyltrimethoxysilane

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

CAS No.	EC / List No.	Transport
83048-65-1	617-434-7	Non-dangerous goods

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	GC purity ≥97.0%
Refractive index, n20D	1.328–1.338
Density at 20°C	1.520–1.530 g/mL

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

Typical Properties

Property	Typical Value
Molecular formula	C13H13F17O3Si
Molecular weight	568.30 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	20 kg or 25 kg compatible fluoropolymer-lined 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.
Handling	Use closed dry transfer with effective extraction. Avoid mist, vapour and skin or eye contact; wear task-qualified chemical-resistant gloves, goggles and protective clothing. Keep emergency washing facilities accessible. Assess the alcohol released during any hydrolysis.

Company Contact

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