



## Technical Data Sheet

### XIAMETER™ OFS-6070 Silane

Alkoxy silane used to make inorganic surfaces hydrophobic

#### Features & Benefits

- Inorganic reactivity

#### Composition

- Alkoxy silane supplied as low-viscosity liquid

#### Applications

- XIAMETER™ OFS-6070 Silane is used to make inorganic surfaces hydrophobic. It is also used as a pigment treatment to aid in dispersion.

#### Typical Properties

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

Property	Unit	Result
Appearance		Clear, colorless
Purity	%	95
Specific Gravity		0.95
Refractive Index		1.370
Flash Point, closed cup	°C (°F)	8 (47)

#### Description

XIAMETER™ OFS-6070 Silane is a chemical monomer that reacts with water to form a silanetriol and methanol. The silanol that is formed is able to condense with available hydroxyl groups on the surface of inorganic minerals such as talc, clay and silica or to condense with other silanol monomers to form a siloxane resin.

The chemical formula for XIAMETER OFS-6070 Silane is  $(\text{CH}_3\text{O})_3\text{SiCH}_3$ , which is designated methyltrimethoxysilane.

#### How To Use

When used as a pigment treatment, XIAMETER OFS-6070 Silane is typically added at concentrations of 0.5 to 1.0 weight percent, based on total solids. XIAMETER OFS-6070 Silane should be added directly to the powder in a powder mixer. XIAMETER OFS-6070 Silane may also be reduced to 10 percent active in methanol or isopropanol, and then added at 0.5 to 1.0 percent active to the pigment in a powder mixer.

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XIAMETER™ OFS-6070 Silane

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Usable Life And  
Storage

When stored at or below 25°C in the original unopened containers, this product has a usable life of 36 months from the date of production.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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