

## Fluorosilicone Trimer (D3F)

**Product Name:** Trifluoropropylmethylcyclotrisiloxane

**Synonym:**

1, 3, 5-trimethyl-1, 3, 5-tris(3, 3, 3-trifluoropropyl) cyclotrisiloxane,

1, 3, 5-tris[(3, 3, 3-trifluoropropyl)methyl]cyclotrisiloxane,

2, 4, 6-trimethyl-2, 4, 6-tris(3, 3, 3-trifluoropropyl) cyclotrisiloxane

**CAS NO:** 2374-14-3

**Molecular:** C<sub>12</sub>H<sub>21</sub>F<sub>9</sub>O<sub>3</sub>Si<sub>3</sub>

**Molecular weight:** 468.54

**Physical Properties:**

Appearance: White or colorless acicular crystals.

Solubility: Slightly soluble in water

Melting Point: 34°C

Specific Gravity (30°C):1.24

Refractive Index: 1.3630-1.3650

**Characteristics:**

Ring-opening polymerization is liable to occur when it meet acids, alkali or salts like AlCl<sub>3</sub>; Molecular rearrangement reaction is liable occur to form fluorochlorosilane when it meets HCl under heat.

**Specification:**

Properties	Limits
Appearance	White or colorless acicular crystals
Assay	≥99.5%
Moisture	<0.1%

**Uses:** As an important monomer for various fluorosilicone materials, such as fluorosilicone rubber, fluorosilicone fluid, fluorosilicone grease, fluorosilicone defoamer, etc. The materials are widely used in aerospace, automobile, pharmaceutical, and chemical processing industries.

**Packaging:** 25kg/drum, or 200kg/drum.

**Storage and Handling:** The container must be sealed tightly during storage; otherwise it may form polymers in contact with moisture.