



Silfluo LS-OL320

Octyl Ethoxy Silane Oligomer (Eco-Friendly Low-VOC Sealer)

Description:

Silfluo LS-OL320 is a highly advanced, pre-condensed organosilicon compound chemically identified as an N-Octyltriethoxysilane oligomer. Unlike standard monomeric silanes, this specialized formulation consists of multiple tightly linked octylsilane units, fundamentally eliminating high volatility and low flash point issues. As the ethoxy counterpart to standard methoxy oligomers, LS-OL320 represents the ultimate in eco-friendly silicone technology. It provides drastically reduced volatility (Low-VOC) and, crucially, releases only benign, non-toxic ethanol upon hydrolysis. Driven by its long-chain (C8) octyl functionality, it operates as a premium, deeply penetrating surface treatment agent. It imparts exceptional, long-lasting hydrophobic (water-repellent) properties to highly porous building materials and serves as a superior dispersant for inorganic fillers without compromising occupational safety or environmental compliance.

Typical Physical Properties

Silfluo Code:	LS-OL320
Chemical Name:	Oligomeric N-Octyltriethoxysilane hydrolysate
Synonyms	Octyltriethoxysilane oligomer
Appearance:	Colorless to pale yellow transparent liquid
Active Content:	High-purity oligomer
Density (25°C, g/cm ³):	Approx. 0.980 - 1.020
Refractive Index (25°C):	1.4100 - 1.4300
Flash Point (Closed Cup):	> 100°C

Applications:

1. Construction and masonry water repellents

Used as penetrating water repellent for concrete, brick, natural stone, and heritage masonry substrates in indoor and outdoor applications.

2. Inorganic filler surface treatment

Used as surface treatment agent for silica, talc, ATH, and mineral fillers to improve dispersibility and compatibility in plastics, rubbers, and thermoset resins.

3. Pigment dispersion

Used as surface modifier and dispersing aid in specialty paints and color masterbatch manufacturing.

Packing

In 180kg drum and 900kg IBC.

Safety and Storage

Technical Data Sheet



www.silfluosilicone.com

Store at or below 25° C in a cool, dry, well-ventilated place away from direct sunlight, heat, and open flames. Keep containers tightly sealed.

Shelf life: 12 months minimum from manufacture date in original unopened containers stored at or below 25° C.

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2/2

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