



V-13

Siloxane Ether

2025/01/09 Draft. **PDS**

Description

V-13 is a reactive linear difunctional silicone pre-polymer containing terminal (terminal end) groups similar to hydroxyl (OR groups) and silanol groups at the α , ω -positions.

Due to the silane groups, it can undergo condensation reactions either by itself or with alkyl-functional silanes.

Storage & packaging

When stored in its originally sealed packaging at 5°C - 40°C, this product may be stored for up to 8 months from its manufacturing date. Comply with the storage instructions marked on the packaging. Once past this expiration date, TAI COUNTY CHEMICAL no longer guarantees that the product meets the sales specifications.

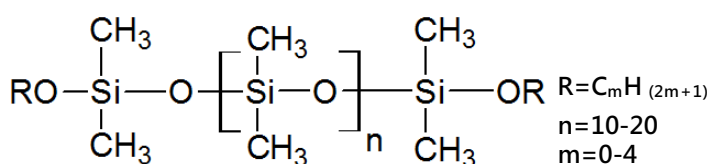
Product comes in 20、200 kg iron drums.

Characteristics

- Excellent thermal stability
- Good fire resistance
- Good dielectric properties
- Good antioxidant properties
- Good weather resistance

Properties

Appearance	Transparent to hazy liquid
Active ingredient(%)	100.0%
Viscosity, 25°C, cps	150~250



Safety

This document does not contain the safety information required for the product. Please read the safety data sheet for this product before use.

Applications

- V-13 is a reactive linear difunctional silicone pre-polymer containing terminal (terminal end) groups similar to hydroxyl (OR groups) and silanol groups at the α , ω -positions. It is used to modify the physical and surface properties of various polymers.
- After reacting with polymer formulations, it enhances the physical and surface properties of the polymers, such as improving surface smoothness, anti-adhesion, scratch resistance, flexibility, and hydrophobicity. It can be used in coatings, plastics, resins, and other applications.
- It makes fabrics soft, smooth, and elastic, while also providing waterproof and water-repellent properties for fabrics, paper, and leather.
- It can react with functional groups or systems in the following polymers:
 - Epoxy groups
 - Ester groups
 - Carboxylic acid groups
 - Isocyanates
 - Copy
 - Regenerate