



HS series HS-1000~HS-50000

Hydroxyl Silicone Fluid

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

Description

Hydroxyl Silicone Fluid is a hydroxyl terminated polydimethylsiloxane polymer, with viscosities including standard options such as 1000, 5000, 10000, 20000 and 50000 cps. Custom viscosities between 1000 and 50000 cps can also be tailored on request.

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

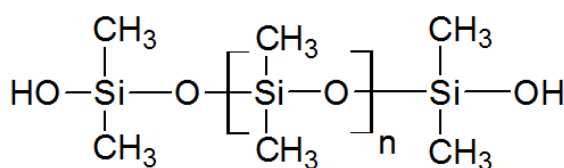
- Excellent thermal stability
- Good fire resistance
- Good dielectric properties
- Good antioxidant properties
- Good weather resistance

Applications

- HS series is a reactive linear bifunctional and hydroxyl end blocked silicone polymer. It is used to modify the physical properties and surface properties of various polymers.
- After reacting with the polymer formulation, it can improve the physical properties and surface properties of the polymer, such as improving surface slippage, anti-adhesion, surface scratch resistance, flexibility and hydrophobicity. Can be used in coatings, plastics, resins and other applications.
- Make the fabric smooth, soft and elastic. Also give fabric, paper, leather waterproof, water- and performance.
- Reacts with functional groups in the following polymers:
 - Epoxy
 - Ester
 - Carboxylic acid
 - Isohydrogenate

Properties

Appearance	Transparent liquid
Active ingredient(%)	100.0%
Viscosity, 25°C, cps	1000~50000



Safety

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

The information contained in this manual is given based on our current knowledge and good faith. It is indicative only and not binding, especially regarding the impact on third-party rights during product use. TAI COUNTY CHEMICAL ensures the products it sells conform to specifications. Only necessary preliminary tests can determine if a product is suitable for specific applications, and this information cannot replace such tests. Users are responsible for ensuring compliance with local legislation and obtaining necessary usage certificates and authorizations. Users are requested to check if they have the latest version of this document, and TAI COUNTY CHEMICAL is always ready to provide additional information to customers.

TAI COUNTY CHEMICAL

TAIPEI Factory: NO. 91, Museum Rd., Bali Township, Taipei County 24947, Taiwan
 FACTORY REGISTRATION NO: 99.695614.00
 YUNLIN Factory: NO. 1, Changqing St., Lunbei Township, Yunlin County 63745, Taiwan
 FACTORY REGISTRATION NO: 09000892
 Tel: 886-2-2610-4457
 Fax: 886-2-2610-1363
 E-MAIL : service@taicounty.com.tw
www.taicounty.com.tw