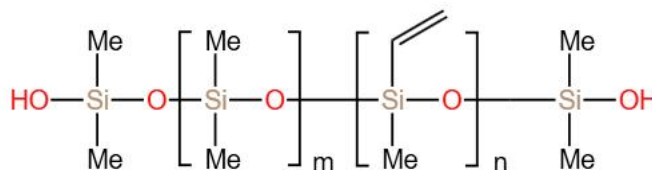


Hydroxy-Terminated Vinyl Silicone Oil

SK-VOH-2.5



Product Description:

● This product is a linear organosilicon polymer with dual reactivity. It features hydroxy terminals and a backbone composed of dimethylsiloxane and methylvinylsiloxane units in block or random distribution. The unique structure combines the condensation reactivity of hydroxy groups with the addition reaction potential of vinyl side chains, enabling multi-mode crosslinking. Ideal for treating inorganic fillers (e.g., silica) and intermediate modification.

Technical Specifications:

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless to pale yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	25~50	GB/T 10247-2008
Hydroxy content (wt.%)	8~10	Lithium aluminum hydride method
Vinyl Content (wt%)	2.2~2.8	Sodium thiosulfate titration
Volatile content (%)	≤10	150℃/1H

Typical Applications:

- **Material Modification:** Reacts with hydroxy, epoxy, or isocyanate groups for chemical modification.
- **Filler Treatment:** Forms hydrogen bonds with surface hydroxy groups of inorganic fillers to enhance dispersion in non-polar matrices.

Packaging & Storage:

- Packaged in 200KG iron drums.
- Store at room temperature, dry, and away from light.
- Non-flammable and non-explosive, classified as non-hazardous for transport.
- Best used within 12 months from the production date. Re-inspect if expired.

Safety & Environmental:

- Ensure proper protective equipment is worn when handling this product. Refer to the Material Safety Data Sheet (MSDS) for details.
- Dispose of packaging according to local solid waste regulations.

Notes:

- The information provided in this document is based on reliable data from our company. Product specifications and performance may change without prior notice.
- The information is derived from laboratory and practical experience and is for reference only. Since conditions and methods of use are beyond our control, application testing is recommended before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.