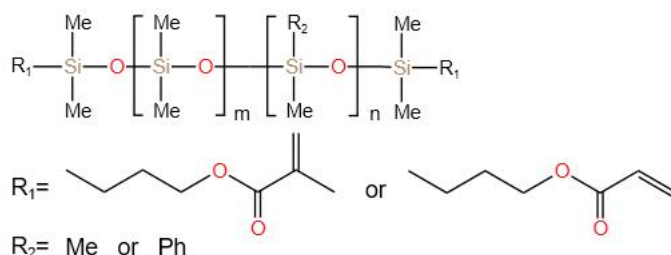


(Meth)Acryloxy-Terminated Silicone Oil

SK-SOAC-1-50E



Product Description:

● This product is a (meth)acryloxy-modified organosilicon polymer, terminated with (meth)acryloxyalkyl groups at both ends. Its main chain consists of dimethylsiloxane segments or alternating/block structures of dimethylsiloxane and methylphenylsiloxane segments. The introduction of (meth)acryloxy end groups allows for copolymerization with various carbon-carbon double bond-containing monomers or prepolymers, making it widely used as a resin modification intermediate or an additive in UV-curable coatings.

Technical Specifications:

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless to slightly yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	20~150	GB/T 10247-2008
Refractive Index (25℃)	1.40~1.50	GB/T 6488
Double Bond Content (%)	0.05~0.35	Sodium thiosulfate back titration method
Volatile content (%)	≤ 1	150℃/1H

Typical Applications:

- **Resin Modification:** Chemically modifies acrylic resins and polyolefin resins through free radical polymerization.
- **Coating Additive:** Added to UV-curable coatings to provide weather resistance, anti-graffiti properties, and defoaming functions.

Packaging & Storage:

- **Packaging:** 200KG iron drums.
- **Storage:** Store at room temperature in a dry place.
- **Transportation:** Non-flammable, non-explosive, and classified as non-hazardous goods.
- **Shelf Life:** Optimal within 12 months of production. Post-expiration use requires re-inspection.

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.
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