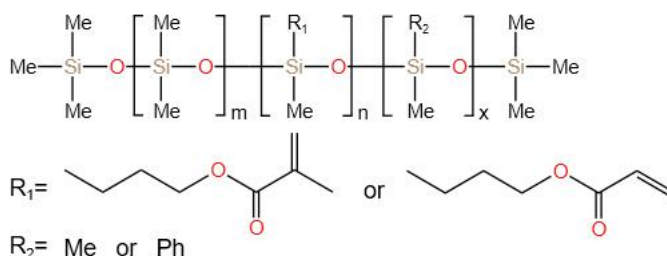


Side-Chain (Meth) Acryloxy Silicone Oil SK-SOAC-1-100S



Product Description:

● This product is a (meth)acryloxy-modified organosilicon polymer, with both ends capped by methyl groups. The main chain incorporates (meth)acryloxy methylsiloxane, dimethylsiloxane, or a combination of dimethylsiloxane and methylphenylsiloxane segments, arranged alternately or in blocks. The introduction of (meth)acryloxy 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℃)	100~20000	GB/T 10247-2008
Refractive Index (25℃)	1.40~1.50	GB/T 6488
Double Bond Content (%)	0.05~2.0	Sodium thiosulfate back titration method
Volatile content (%)	≤ 1	150℃/1H

Typical Applications:

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

Packaging & Storage:

- SK-SOAC-1-100S is packaged in 200KG iron drums.
- Store at room temperature in a dry place.
- This product is non-flammable and non-explosive, and should be transported as non-hazardous goods.
- Best used within 12 months from the production date. If expired, re-inspect and use only if qualified.

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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