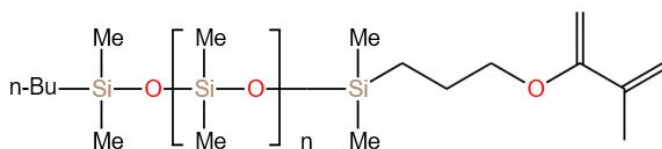


Butyl-Methacrylate Asymmetric Silicone Oil

SK-SACO-100



Product Description:

● This product is a functional silicone oil with an asymmetric structure. One end of the molecular chain is hydrophobic butyl, while the other end is highly reactive methacrylate, connected by flexible dimethylsiloxane segments. This unique structure combines hydrophobicity, free radical polymerization activity, and the flexibility of siloxane chains, making it particularly suitable for modifying photocurable materials.

Technical Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless to slightly yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	10~250	GB/T 10247-2008
Molecular Weight (Mn)	1000~10000	ISO 11344
Volatile content (%)	≤2.0	Atmospheric drying (150℃/3H)

Typical Applications:

- **Coating Modification:** Free radical copolymerization with acrylic coatings to enhance smoothness, hydrophobicity, and anti-fouling properties.
- **Additive:** Provides water and oil repellency, serving as a PFAS alternative.
- **Adhesives:** Combines the temperature resistance of siloxane chains with the cross-linked network of acrylates, suitable for long-term use in environments up to 200℃.

Packaging & Storage:

- SK-SACO-100 is packaged in 200KG iron drums.
- Store at room temperature, dry, and away from light.
- SK-SACO-100 is packaged in 200KG iron drums.
- 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.