

## Powder Treatment Agent

### SK-SAO-25C

#### Product Overview:

● SK-SAO-25C is a functional silicone oil featuring an asymmetric molecular structure. One end consists of a hydrophobic butyl group, while the other end contains a highly reactive trimethoxysilyl group, connected by flexible dimethylsiloxane chains. This unique structure provides amphiphilic properties, interfacial activity, and controllable reactivity, making it ideal for surface treatment of inorganic fillers and plasticization of silicone rubber.

#### Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Colorless to pale yellow transparent liquid	Visual inspection
Viscosity (mPa·s at 25°C)	20~30	GB/T 10247-2008
Volatile Content (%)	≤ 2.0	150°C/3H, atmospheric drying

#### Typical Applications:

- **Filler Treatment:** Forms hydrogen bonds with hydroxyl groups on inorganic fillers, improving dispersion in non-polar materials.
- **Surface Treatment & Coatings:** Bonds to glass, metal, and other substrates, creating a hydrophobic layer via the butyl end.
- **Plasticizer:** Acts as a reactive plasticizer for condensation-cure silicone rubber.

#### Packaging & Storage:

- Packaged in 5KG/bucket or 20KG/carton.
- Store in a cool, dry, and dark place at room temperature.
- Classified as non-hazardous for transportation.
- Best used within 12 months of production. Re-test if expired.

#### Safety & Environmental Notes:

- Wear appropriate protective gear when handling. Refer to the MSDS for details.
- Dispose of packaging in compliance with local solid waste regulations.

#### Notes:

- The information contained in this document is based on reliable data we have obtained. The content, product performance improvements, and product specifications may change without prior notice.
- The information provided in this document is based on our laboratory and practical experience and is for reference only. Since the conditions and methods of using this product are beyond our control, it is essential to conduct application tests and evaluations before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.