

SiSiB® PC17599 Silicone Emulsifier

INCI NAME Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone (and) Sorbitan Isostearate

INTRODUCTION SiSiB® PC17599 is a silicone emulsifier combining lipophilic polyether polydimethylsiloxane and sorbitan isostearate. It exhibits excellent emulsifying ability for both W/Si (water-in-silicone) and W/O (water-in-oil) systems. It demonstrates good emulsifying capabilities for both silicone oils and non-silicone grease, as well as outstanding dispersing ability for powder materials.

- FEATURES & BENEFITS**
- Excellent W/Si, W/O emulsifying ability and stability.
 - Easy to emulsify, with low operating temperature.
 - Good emulsifying ability for silicone oil and non-silicone grease.
 - Silky and non-sticky skin feel.

PHYSICAL PROPERTIES

Appearance	Yellow transparent liquid
Refractive Index (25°C)	1.4450-1.4650
Specific Gravity (25°C)	0.950-1.000
Viscosity (cSt, 25°C)	1000-3000

APPLICATIONS SiSiB® PC17599 can be used in a wide range of personal care applications, such as skin care, cosmetics, sun protection.

HOW TO USE

Slowly add the water phase into the oil phase, then rapidly stir the mixture until uniform. Increasing the stirring speed can enhance the stability of the emulsion system.

Thoroughly mix the oil and emulsifier, then add water to achieve emulsification.

If all components are liquids, emulsification can be performed at room temperature without the need for a homogenizer. Rapid stirring can attain a stable emulsion.

It is recommended to add 0.5~2% electrolytes, preferably NaCl to the water phase to achieve storage stability. Adding antifreeze agents such as

SiSiB® PC17599 Silicone Emulsifier

propanediol and glycerin can improve the freeze resistance of the finished product. Increasing the proportion of water can enhance the viscosity of the system.

RECOMMENDED DOSAGE

The recommended usage level of this product is 0.5% ~ 10%.

PACKING

SiSiB® PC17599 is supplied in 25Kg pail or 200kg steel drum.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

In the original unopened containers, SiSiB® PC17599 has a shelf life of 24 months in a dry and cool place at room temperature.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.