

## POWSIL™-99802 Silicone Textile Softener Concentrate

### INTRODUCTION

POWSIL™ 99802 is a high-performance amino-modified silicone microemulsion concentrate designed for textile softening. It imparts superior softness, slickness, elasticity, and smoothness to a wide range of fabrics. The product exhibits low yellowing and excellent compatibility with various substrates.

### FEATURES & BENEFITS

- Microemulsion concentrate with high stability
- Easily dilutable with water alone—no acid or emulsifier required
- Excellent affinity to a broad range of textile substrates
- Delivers durable softness, slick feel, and smooth hand
- Provides rebound and elastomeric characteristics
- Minimal yellowing tendency

### PHYSICAL PROPERTIES

Appearance	Transparent with bluish tint liquid
Solid Contents (130°C, 1 h, %)	55
Viscosity (25°C, cSt)	<10,000
pH (25°C)	4.5-6.5
Flash Point	>100°C
Diluents	Water
Ionicity	Nonionic to Slightly cationic

### DILUTION GUIDELINES

POWSIL™-99802 can be used as received or pre-diluted with water before applying.

To prepare a 30% active microemulsion, mix 30% POWSIL™ 99802 with 70% water.

Add water into a mixing tank, then slowly add POWSIL™ 99802 under gentle stirring. Continue stirring until fully dispersed. Let the mixture stand until a clear microemulsion forms.

### APPLICATION GUIDE

The recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Padding Process

Dosage:	5~10g/l for light fabric
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	10~20g/l for heavy fabric
pH:	5.0 ~ 7.0
Temp.:	Ambient temperature
Dry/Cure	120 ~ 170°C for 1~3 min

### Exhaustion Process

Dosage:	0.5~1.0% (o.w.f.) on light fabric
	1.0~2.0% on heavy fabric
Liquor ratio:	1/10 ~ 1/20
pH:	5.0 ~ 7.0
Temperature:	Ambient
Time:	10 ~ 30 min
Spinning & Drying:	100 ~ 170°C for 1~3 min

### Garment Washing

Dosage:	0.5~1.0% on the weight of garment
Temp.:	Ambient temperature
Time:	30 ~ 60 min
Spinning & Drying:	100-130°C for 3-5 min

### PACKING

POWSIL™-99802 is available in 50Kg or 120Kg drum.

### STORAGE

In the unopened original container POWSIL™-99802 has a shelf life of 9 months in a dry and cool place.

### 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.

### 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.

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