

POWSIL™-59101 Hydrophilic Silicone Softener

INTRODUCTION

POWSIL™ 59101 is a solvent-free, high-concentration hydrophilic silicone softener based on a siloxane-polyamine-polyether ternary block copolymer. It provides excellent hydrophilicity, pleasant soft hand feel, and good bath and storage stability, especially on cotton fabrics. It is an upgraded version of conventional hydrophilic block silicone oils.

BENEFITS / EFFECTS

- Solvent-free composition
- Excellent hydrophilicity, especially on cotton fabrics
- Soft and comfortable hand feel
- Very low yellowing tendency
- Suitable for finishing various fibers and fabrics

PHYSICAL PROPERTIES

Appearance	Yellowish Clear Liquid
Solid Content (%)	96-98
pH (as supplied)	8
Ionicity	Cationic

Note: These values are typical and are not intended for use as specifications

APPLICATIONS

POWSIL™ 59101 is used for hydrophilic soft finishing of a wide range of fibers, with particularly good performance on cotton fabrics, where both hydrophilicity and softness are well balanced.

GUIDE FORMULATION

- Premix POWSIL™ 59101 with a suitable emulsifier at a 3:1 ratio.
- Slowly add water while stirring to emulsify to the required concentration.
- Adjust the pH of the final emulsion to around 6 before use.

(Recommended bath dosage and process conditions should be optimized via preliminary mill or lab trials according to specific substrates and equipment.)

PACKING

POWSIL™-59101 is packaged in net weight 120Kg drum, and 1000Kg IBC.

STORAGE

POWSIL™-59101 has a shelf life of 12 months when stored in its unopened original container at below 40°C in a dry and cool place. While storage beyond the recommended shelf life does not necessarily render the product

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unusable, it is important to check the product's properties for the intended use to ensure quality and performance, especially for quality assurance purposes.

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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