

POWSIL™-99852

Efficient Softener Concentrate

INTRODUCTION

POWSIL™-99852 is an economic, soft and eco-friendly textile softener concentrate. It provides softness and a silky hand feel to various fabrics.

POWSIL™-99852 is hydrophilic and stable during textile finishing processes, no oil spots on fabrics. It can be used with other finishing agents, particularly with wrinkle-free systems and adhesives.

BENEFITS

- Very soft hydrophilic softener;
- High concentrate, and ready to use
- Very stable in regular textile finishing processes;
- Compatible with wrinkle-free systems and adhesives in the same bath;
- Penetrates deeply into fibers to provide internal softness;
- Silky softness, without a greasy feel;
- Excellent affinity for various textiles;
- Outstanding fiber elasticity and shape recovery;
- Durable softness after washing;
- Minimal fabric yellowing;
- Suitable for re-dyeable and over dyeable.

TYPICAL PHYSICAL PROPERTIES

Appearance	Colorless to yellowish transparent viscous liquid
Viscosity (25°C,cSt)	<500
pH (25°C)	4.0~6.0
Flash Point (°C)	>100
Diluents	Water
Ionic	Weak cationic
D4	<1000ppm
D5	<1000ppm
D6	<1000ppm

APPLICATION

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POWSIL™-99852 can be used directly or pre-diluted with water before use.

The contents of POWSIL™-99852 must be stirred thoroughly to ensure uniformity in the drum before use.

The optimal treatment method, including dosage, depends on the desired softness of fabrics and yarns after dyeing and finishing.

POWSIL™-99852 can be diluted with water to any desired concentration. For optimal dilution, it is recommended to mix POWSIL™-99852 and water in 1:1 ratio initially, stirring well. Then, add the remaining water to achieve the final dilution and continue stirring. A transparent micro-emulsion will be obtained.

1. Pad-dry-cure process

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

2. Exhaustion process

Dosage:	0.5-1.0% (o. w.f.) on the weight of fabric
Liquor ratio:	1/10 -1/20
pH:	5.0-7.0
Temp.:	Ambient temperature
Time:	20-30 min
Drying:	100-130°C for 3-5 min

3. Garment washing process

Dosage:	0.5-1.0% on the weight of garment
Time:	20-30 min
Drying:	100-130°C for 3-5 min

Stripping:

POWSIL™-99852 can be stripped off fabric. The stripping formulation is as follows:

NaOH:	5 g/L
LABS (30%):	2-5%

Add water and NaOH and detergent onto fabric tank and then heat to 100°C for 60 min.

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Then rinse fabric with acidic water and water.

PACKING AND STORAGE

To ensure that the product quality is maintained, the container should be tightly sealed when not in use. It should be stored at normal room temperature, preventing prolonged exposure to extreme heat and cold conditions, which may cause product separation. POWSIL™-99852 tends to be sediment on bottom during storage period. If the product is separated, stir the contents to homogeneous. If the product is frozen, thaw it at warm condition and stir after thawed.

POWSIL™-99852 is packaged in net weight 50Kg drum.

NOTES

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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Please send all technical questions concerning quality and product safety to: support@SiSiB.com.