

POWERSOFT® UP 68



Silicone Fluid Emulsions

POWERSOFT® UP 68 is a nonionic micro emulsion concentrate of a reactive modified aminofunctional polydimethylsiloxane for use in non-yellowing and medium hydrophilic textile finishing.

Properties

POWERSOFT® UP 68 is particularly suitable in softener formulations for the impregnation of fibers and textiles.

POWERSOFT® UP 68 imparts a soft, drapable and elastic touch to woven and knitted fabrics.

In comparison to usual silicone-based, medium hydrophilic softeners POWERSOFT® UP 68 shows excellent stability in the presence of salt and resins even under high shearing conditions.

POWERSOFT® UP 68 is readily dilutable with cold water to any desired concentration. Dilutions of the product are extremely resistant to high alkaline conditions up to pH 11.

Furthermore POWERSOFT® UP 68 can be used in direct combination with many optical brighteners due to its high compatibility with such compounds. However, the compatibility should be tested on a case-by-case basis.

In contrast to many conventional silicone softeners, POWERSOFT® UP 68 does not turn cotton and other hydrophilic substrates completely hydrophobic. Cotton treated with POWERSOFT® UP 68 shows medium hydrophilicity which offers advantages if overdyeing of the fabric is required.

When applied under normal conditions as part of a softener formulation, POWERSOFT® UP 68 has no effect on the whiteness degree.

Specific features

- Concentrate
- Dilutable with water
- Easy to use
- Excellent durability
- Excellent pH stability
- Good heat stability
- High alkali-resistant
- Low yellowing
- Water-based

Technical data

General Characteristics

Property	Condition	Value	Method
pH value	-	4.5 - 6	Indicator strips
Appearance	-	clear, slightly yellowish	-
Solid content	-	approx. 60 %	Microwave oven

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Textile Finishing
- Softeners & Hydrophilic Softeners
- Textile & Leather
- Textiles & Leather

Application details

Application:

Application of POWERSOFT® UP 68 on textiles can be done either by padding or exhaustion method. Emulsions prepared of POWERSOFT® UP 68 are diluted to the optimum concentration for the specific fabric.

POWERSOFT® UP 68 can be applied either alone or together with resins and other finishing agents.

POWERSOFT® UP 68 may also be combined with different organic, nonionic and cationic fabric softeners. The compatible ratio of POWERSOFT® UP 68 and organic softener must be tested prior to use on a case-by-case basis.

Processing:

Typical recipe for woven and knitted materials of cotton and synthetic fibres:

0.5 ml/l acetic acid 60 %

10-20 g/l POWERSOFT® UP 68

Padding, liquor pick-up about 70 %

Drying at 150 °C / 3 min.

Packaging and storage

Packaging

- 0,45 kg bottle
- 25 kg hobbock
- 145 kg drum
- 950 kg IBC

Storage

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code POWERSOFT® UP 68



For technical, quality or product safety questions, please contact:

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