



Add:2-C03 Room,2 Build, No. 1588 of Huhang Road , Shanghai City, China.

## SILIT-8300 95%HIGH CONCENTRATION HYDROPHILIC SILICONE

### TECHNICAL DATA SHEET

#### Introduction

**SILIT-8300** is a kind of special quaternary silicone softener with 95% high concentration, which can be used in various textile finishing, such as cotton, cotton blending etc., especially adapted to fabric that needs good softness and excellent smoothness and hydrophilicity and good stability for salts, especial for towel and knitting fabrics.

#### Properties

- Appearance    Transparent yellow liquid
- pH value        7~9
- Ionic nature    Not applicable
- Diluents        Not applicable
- Compatibility   Mixed use with cationic and nonionic auxiliaries
- Solid content   About 95%

#### Characteristics

- **SILIT-8300** imparts superior softness and smoothness and low yellowing .
- **SILIT-8300** dilution are extremely stable at alkali, acid or high temperature finishing bath and can be used in dyeing bath. completely avoid the problem that breaking silicone emulsion sticky roller.
- Provides water dilutions that have excellent compatibility with conventional textile auxiliaries.
- **SILIT-8300** dilution has good stability in salts.

#### Applications

##### 1 Exhaustion process:

SILIT-8300  
(30%emulsion)

0.5~1%o.w.f. (After dilution)

Usage :40°C~50°C×15~30min

##### 2 Padding process:

SILIT-8300

5~15g/L (After dilution)



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(30%emulsion)

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Usage :double-dip-double-nip

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### Emulsification method

**SILIT-8300** <95% solid content> emulsified to 30% solid content cationic emulsion

- ① SILIT-8300 ----226g
- +TO8 ----64g
- +CAB(35%) ----43g

stirring 5 minutes

② +H<sub>2</sub>O ----200g; then stirring 30minutes

③ +HAc (----3g) + H<sub>2</sub>O (----300g); then slowly add the mixture and stirring 15min

④ +H<sub>2</sub>O ----164g; then stirring 15minutes

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Ttl.: 1000g / 30% solid content

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### Package

**SILIT-8300** is available in 200kg plastic drums.

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### Storage and shelf-life

When stored in the original unopened packaging at a temperature of between +2°C and +40°C, **SILIT-8300** can be used for up to 6 months after the date of manufacture marked on the packaging (DLU). Comply with storage instructions and the expiry date marked on the packaging. Past this date, **Shanghai Vana Biotech** no longer guarantees that the product meets the sales specifications.

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