



## SILIT-8100 100% HIGH CONC.

### TECHNICAL DATA SHEET

#### Introduction

**SILIT-8100** is 100% high concentration block structure of quaternary silicone softener, it can be emulsified into hydrophilic emulsion, and used in various textile finishing, such as cotton, cotton blends, etc., especially adapted to cotton towel that is fluffy and smooth handfeeling and good hydrophilicity.

#### Properties

- Appearance Yellow transparent liquid
- pH value 7~9
- Ionic nature Not applicable
- Diluents Not applicable
- Compatibility Mixed use with cationic and nonionic auxiliaries
- Solid content About 100%

#### Characteristics

- **SILIT-8100** has superior smooth and fluffy handfeeling and very low yellowing and hydrophilicity.
- **SILIT-8100** has excellent product stability, completely avoid the problem that breaking silicone emulsion sticky roller.
- Provides water dilutions that have excellent compatibility with conventional textile auxiliaries.

#### Applications

##### 1 Exhaustion process:

SILIT-8100                      0.5~1%o.w.f. (After dilution) (30%emulsion)

Usage :40°C~50°C×15~30min

##### 2 Padding process:

SILIT-8100                      5~15g/L (After dilution)  
(30%emulsion)

Usage :double-dip-double-nip

#### Emulsification method

Add:203 Room,2 Build, No. 1588 of Huhang Road , Shanghai City, China.

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**SILIT-8100**<100% solid content> emulsified to 30% solid content  
**micro emulsion**

- ① SILIT-8100-----200g  
    +TO-6-----100g  
    Ethylene glycol monobutyl ether-----50g  
② +H<sub>2</sub>O ----200g; then stirring 30minutes  
③ +H<sub>2</sub>O (----200g); then slowly add the mixture and stirring 15min  
④ +acid---- 4g and H<sub>2</sub>O ----246g; then stirring 15minutes  
Ttl.: 1000g / 30% solid content
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**Package**

**SILIT-8100** 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-8100** can be used for up to 12 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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