



# SILIT-2803

## TECHNICAL DATA SHEET

### Introduction

**SILIT-2803** is amino silicone softener and a reactive functional silicone fluid. The product can be used in various textile finishing, such as cotton, cotton blending, It has soft and smooth handfeeling, it can be emulsified into micro emulsion for softeners and macro emulsion for smooth.

### Properties

- Appearance clear to slightly turbid fluid
- pH value 7~9
- Viscosity,25°C Approx.3000-8000mPa•S
- Amine number Approx. 0.2
- Compatibility Mixed use with cationic and nonionic auxiliaries

### Characteristics

- **SILIT-2803** imparts superior softness and smooth.
- Good drapability
- Low yellowing

### Applications

#### 1 Exhaustion process:

**SILIT-2803** 0.5~1%o.w.f. (After dilution)  
(30%emulsion)

Usage :40°C~50°C×15~30m n

#### 2 Padding process:

**SILIT-2803** 5~15g/L (After dilution)  
(30%emulsion)

Usage :double-dip-double-nip

### Emulsification method1 for micro emulsion

**SILIT-2803**<100% solid content> emulsified to 30% solid content micro emulsion

- ① **SILIT-2803**----200g  
+To5 ----50g



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

---

+To7 ----50g

+ Ethylene glycol monobutyl ether ----10g; then stirring 10minutes

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

③ +HAc (----8g) + H<sub>2</sub>O (----292); then slowly add the mixture and stirring 15min

④ +H<sub>2</sub>O ----200g; then stirring 15minutes

---

Ttl.: 1000g / 30% solid content

#### Emulsification method 2 for macro emulsion

**SILIT-2803**<100% solid content> emulsified to 30% solid content macro emulsion

① **SILIT-2803**----250g

+To5 ----25g

+To7 ----25g

then stirring 10minutes

② slowly add H<sub>2</sub>O ----200g in one hour; then stirring 30minutes

③ +HAc (----3g) + H<sub>2</sub>O (----297); then slowly add the mixture and stirring 15min

④ +H<sub>2</sub>O ----200g; then stirring 15minutes

---

Ttl.: 1000g / 30% solid content macro emulsion

---

#### Package

**SILIT-2803** is available in 200kg plastic drums.

---

#### Storage and shelf-life

When stored in the original unopened packaging at a temperature of between +2°C and +40°C, **SILIT-2803** 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.

---