

### TC-1251

#### INCI Name

DIMETHICONE

#### Description

TC-1251 is a middle-viscosity polydimethylsiloxane grease. It is recommended to be used in 2 in 1 shampoo or hair conditioner, imparting excellent anti-static, film-forming and lubricative properties to hair, significantly improving dry&wet combability, providing hair a soft, glossy and silky.

Non-accumulation exists after repeated use.

#### Specification

Parameter	Value
Appearance	Clear transparent viscous liquid
Volatility (150 °C/3h,%)	≤1.5
Viscosity(25°C,mPa.s)	400, 000-850, 000

These values indicate typical specification, they are not intended to be used as product specifications.

#### Properties

- Improve dry & wet combability of hair.
- Impart soft, silky feel and luster to hair.
- Excellent anti-static and hair-breathing ability
- Good stability and safety.

#### Applications

- 2 in 1 shampoo
- Hair conditioner
- Body wash and skin cleanser

#### Formula Guidelines

Typically used at a level of 0.5~5.0%.

- How to handle in shampoo, bodywash formula--  
Pre-emulsify TC-1251 to appropriate particle size, then add into system below 45°C.
- How to handle in conditioner formula --  
Mix with other silicone, without high-heating.  
Mix oil phase (except silicone) and water phase normally, add silicone mixture at 60-70°C, then homogenize.

#### Storage & Handling

**Standard Packing:** 186 kg/drum

**Storage:** Keep in Cool, Dry, Ventilated and Lightless Place.

**GUANGZHOU TINCIMATERIALS TECHNOLOGY CO., LTD.**

Kangda Road No.8, Yunpu Industrial Zone,  
Huangpu Region, Guangzhou

TEL: 86-20-82251159 FAX: 86-20-82250169

WEBSITE: www.tinci.com

DOC NO.: TC-MM-技术服务-\*\*\*

Version: A/0

last version date: 2007-09-14