

### TCA-5560

#### INCI Name

PHENYL TRIMETHICONE

- Good compatibility with cosmetic ingredients.
- Easy to be emulsified with standard emulsifiers by common techniques.

#### Description

TCA-5560 is a perfect emollient with non-oily feeling and good compatibility with cosmetic ingredients. So it's widely used in skin and hair care products, such as body creams and lotions, sunscreen products, make-up products, deodorants, antiperspirants, hair conditioners and so on.

#### Specification

Parameter	Value
Appearance	Colorless transparent liquid
Odor	Odorless
Viscosity(25℃,mPa·s)	15~30
Refractive index( $n_D^{25}$ )	1.4548~1.4626
Color (APHA)	≤15
Specific gravity(25℃)	0.97-0.99

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

#### Properties

- High refractive index. Impart luster to lipstick, skin cream and hair.
- Non-oily feeling.
- Easy to spread on skin, and able to reduce tacky-feeling caused by other ingredients in formula.
- Good waterproofness.
- Improve dispersibility of pigments in sunscreen and make-up products.
- Good moisturization and skin-achromachia resistance when used in antiperspirant products.

#### Applications

- Skin lotions and creams
- Make-up products: lipstick, foundation and so on
- Antiperspirant product
- Sunscreen product
- Hair conditioner and hair oil

#### Formula Guidelines

Typically used at a level of 0.5~5.0%.

Add into oil phase. Heat to 70-80℃, blend with water phase. Finally mix uniformly.

#### Storage & Handling

**Standard Packing:** 25&200 kg/drum

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

**Shelf life:** 36 months

**GUANGZHOU TINCI MATERIALS TECHNOLOGY CO., LTD.**

8<sup>th</sup> Kangda Road, Yunpu Industrial Zone, Huangpu District,  
Guangzhou, China

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

WEBSITE: [www.tinci.com](http://www.tinci.com)