

## TCA-5560

### INCI Name

PHENYL TRIMETHICONE

### 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	No irritant smell
Viscosity(25°C,mPa·s)	15.0~30.0
Refractive index( $n_D^{25}$ )	1.4548~1.4620
Color (APHA)	≤15.0
Specific gravity(25°C)	0.970~0.990

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

### 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°C, blend with water phase. Finally mix uniformly.

### Storage & Handling

**Standard Packing:** 50 kg/drum, 200 kg/drum

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

**Shelf life:** 36 months

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