

TC-206

INCI Name

PEG-12 DIMETHICONE

Description

TC-206 is a safe water-soluble surfactant at normal usage, with good moisturizing, foam-stabilizing and conditioning capacity. It can be used as hair conditioner to provide hair a silky feel, also used as skin emollient, widely applied in 2 in 1 shampoo, styling product, soap, shaving product, skin lotion, make-up foundation and antiperspirant.

Specification

Parameter	Value
Appearance	Yellowish, clear, viscous oily liquid
Viscosity(25°C,mPa.s)	200-800
Volatility (150 °C/3h,%)	≤2.0
Cloud Point (1%soln)/°C	50-80
Density/g/cm ³	1.0-1.2
Refractive index(n _D ²⁵)	1.4-1.5

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

Properties

- Excellent conditioning ability, provide a silky feeling
- Function with little dosage
- Good compatibility with other ingredients
- No irritation to skin
- Good foam stability and lubricative effect.

Applications

- 2 in 1 shampoo
- Styling product
- Body wash, soap, shaving product and facial cleanser
- Skin lotion, make-up foundation and antiperspirant product

Formula Guidelines

Typically used at a level of 0.5~3.0%.

Add into system at low temperature.

Storage & Handling

Standard Packing:50 & 120 & 200 kg/drum

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

Shelf Life:12 months

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