

### TC-1214D

#### INCI Name

CYCLOPENTASILOXANE & DIMETHICONOL

#### Description

TC-1214D is a conditioner can provide a lubricous, clear skin feel like velvet. It has the effect of film, water resistant, repairing damaged hair.

#### Specification

| Parameter                         | Value                |
|-----------------------------------|----------------------|
| Appearance                        | Clear viscous liquid |
| Oder                              | No oder              |
| Viscosity(25°C,mPa·s)             | 5000-8000            |
| Volatility (150 °C/3h,%)          | ≤86.0                |
| Refractive index( $n_D^{25}$ )    | 1.380-1.420          |
| Density (g/cm <sup>3</sup> ,25°C) | 0.930-0.960          |

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

#### Properties

- Impart unique, excellent, silky, non-oily skin feeling. Good adhesive ability to the skin.
- Provide luster and texture.
- Spreadable, adhesive, lubricous, tacky and pearlescent properties are all better than dimethyl siloxane oil.
- Improve wet & dry combability, suppleness and manageability.

#### Cautions:

TC-1214D includes 15% high viscosity dimethiconol, which is not compatible with other oils and common alcohols, synthetic glycerides and fatty alcohols, but

compatible with some organic ester such as Isobutyl Palmitate, Isobutyl stearate, and Isobutyl myristate.

It is forbidden to heat TC-1214D together with other oils, to prevent high viscosity dimethicone from separating-out

#### Applications

- Skin lotion and cream
- Make-up products: foundation and so on
- Sunscreen product
- Hair conditioner

#### Formula Guidelines

Typically used at a level of 0.5~5.0%.

Mix with other silicone firstly, without over heating.

Mix oil phase (except silicone) and water phase normally, add silicone mixture at 60-70°C, and then homogenize.

#### Storage & Handling

**Standard Packing:** 190.5kg/drum

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

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