

TC-1214

INCI Name

CYCLOPENTASILOXANE & DIMETHICONE

Description

TC-1214 is a mixture of high viscosity dimethicone grease and low viscosity dimethicone oil, used as a conditioner to provide a lubricous, clear skin feel like velvet.

Specification

Parameter	Value
Appearance	Clear viscous liquid
Viscosity(25°C,mPa·s)	5000-8000
Volatility (150 °C/3h,%)	≤86.0

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.

Applications

- Skin lotion and cream
- Make-up products: lipstick, 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.

Cautions:

TC-1214 includes 15% high viscosity dimethicone, 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-1214 together with other oils, to prevent high viscosity dimethicone from separating-out.

Storage & Handling

Standard Packing: 190.5kg/drum

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

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