

TCS-6500

INCI Name

CYCLOPENTASILOXANE

Description

TCS-6500 silicone fluid is mainly single component of cyclomethicone pentamer. It's colorless and transparent liquid, without odor and irritation. It's easy to use and spread, imparting soft and lubricious feel to skin and hair. It is highly compatible with many cosmetic ingredients, without residues after evaporation. It can reduce surface tension, help to disperse pigments, widely used in personal care products such as make-up, skin care, hair care, sunscreen, antiperspirant, deodorant products.

Specification

Parameter	Value
Appearance	Colorless, transparent liquid.
Color (Hazen)	≤20
D4 content (%)	≤1.0
D5 content (%)	≥97.0
(D3+D4+D6) content (%)	≤3.0
Dry residue(150℃,3h,%)	≤0.15
Acid value(mg KOH/g)	≤0.01
Water (%)	≤0.025

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

Properties

- No oily feel
- With moderate volatility, can stay on skin or hair surface for some time.

- Compatible with many personal care ingredients.
- Stable.
- Make skin and hair lubricious, clear.
- Reduce surface tension, help to disperse pigments.
- Excellent spreadability.

Application

- Skin care, sunscreen products
- Make-up
- Hair care products
- Antiperspirants, deodorants

Formula guidelines

TCS-6500 is compatible with many cosmetic ingredients, even some waxes, fatty acids, fatty acid esters and non volatile silicones.

Mutual soluble with alcohol.

Can use singly or with other ingredients

Because of its widely application, dosage should be determined according to specific detail, further information can be derived from Technical & Service Department of TINCI.

Storage & Handling

Standard Packing: 190kg/drum

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

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