

SILICONE EMULSION



Product Bulletin

TC-MAGIC 3200

INCI Name

Lauroyl PEG/PPG-18/18 Dimethicone

Description

TC-MAGIC 3200 is a modified silicone which contains alkyl and Polyoxyethylene, a kind of Rake type polyether product. As an excellent W/O & W/Si emulsion, has bright appearance, good compatibility in different kinds of formula, can be prepared under both cool or hot conditions, can be compound with different kinds of silicone, synthetic grease, plant oil and sun-screening agent. Also able to make up emulsion with different viscosity varies from different percentage of oil and water phase. It overs 90% of water phase in the emulsion, feeling fresh instead of oily, also used in transparent cream.

Specification

Item	Index
Appearance	Colorless transparent - light yellow liquid
Odor	none
Density(25℃)	0.885~0.935
Viscosity(25℃,mPa.s)	1100-2600
Refractive index(25℃)	1.4430-1.4595
volatile component (105℃,2h,%)	≤15
HLB value	4.5

Above index only indicate typical specification, which cannot be used as product specifications.

Properties

- ✧ Excellent emulsifiability, water-resistance
- ✧ Prepare under hot & cold conditions, good stability
- ✧ Feeling fresh instead of oily
- ✧ Good compatibility in different kinds of formula

Application

- ✧ Make up cream, emulsion and gel under W/Si or W/O system
- ✧ Make up sunscreen cream under W/Si or

W/O system

- ✧ Used in foundation, BB cream, isolated base makeup, mascara, eye shadow and other colorful cosmetics as pigment dispersant.

Recommend Dosage

0.1-10%

Solubility of 20% TC-MAGIC 3200

Component	Solubility
D.I.W	I
Ethanol	S
Propanediol	I
1,3-Butanediol	I
Glycerin	I
Cyclomethicone	PS
Dimethicone	I
White mineral oil	S
Isononyl Isononanoate	S
Caprylic/Capric Triglyceride	S
Hydrogenated polyphosphate	S
Synthetic squalane	S
Isomeric hexadecane	S
Methoxy cinnamate octyl ester	S
Isopropyl myristate	S
Glycerol tri (ethylhexanoate) ester	S
Jojoba oil	S
S: soluble, I: insoluble/part soluble	

Storage & Validity

24 months under 40℃ in original packing.

Standard Packing

18kg, 180kg/drum

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