

Manta G711 Glycoside Silicone Elastomer Gel

Description

Manta G711 is a mixture of Octyldimethylsiloxane Ethoxy Glucoside, Dimethicone Crosspolymer, and Cyclopentasiloxane. It appears as a transparent gel, offering a unique silky texture and wrinkle-covering functionality characteristic of an elastic gel. Additionally, the self-emulsifying properties resulting from glucose modification make it particularly suitable for moisturizing cream and water-based formulations. Its formula exhibits good stability, making it ideal for use in formulations.

Typical Physical Properties

INCI/CTFA	Cyclopentasiloxane (and) Caprylyl Dimethicone Ethoxy Glucoside (and) Dimethicone Crosspolymer
Appearance	Colorless transparent colloid
Non-volatile content(%)	15-20
Cyclotetrapolysiloxane(D4) content	< 1%
Viscosity (CP,S94,2.5RPM, 25°C)	30,000-100,000

Properties

Emulsifier raw materials are green and natural;
Strong self-emulsifying function, can be cold prepared;
Has a certain oil phase thickening effect;
Transparent appearance, safe and environmentally friendly;
Excellent water-holding properties, especially suitable for moisturizers;
Delicate and smooth feel.

Applications

Manta G711 is widely used in high-end skin care and moisturizing products, including moisturizing creams and water-extracting creams with excellent water-containing properties.

How to use

When Manta G711 is used alone, it is recommended to disperse it evenly with various oils and fats, then slowly add the water phase in batches, and stir and shear at high speed to disperse;
When compounding, disperse oil with good compatibility and then add it to the oil pan to participate in

emulsification, or add it directly in the later stage of emulsification and stir evenly;
The heating operation should be carried out in a closed container, and the heating time should not be too long to avoid volatilization of cyclopentasiloxane;
It is recommended that the operating temperature does not exceed 60°C to avoid volatilization of cyclopentasiloxane.
The recommended usage level is 1-20%, the specific usage method depends on actual needs.

Packaging

In 200L drum, IBC

Safety and Storage

Keep away from heat and open flame. Prevent from the exposure of moisture, acid, alkalis and other impurities. When stored at well in the original unopened containers, this product has a usable life of 24 months from the date of production (drum packing).

Contact Information

Nanjing Manta New Material Co., Ltd
Add: Jiangbei new district, Nanjing (210031), China.
Mob: 0086 18962800162
Mail: inquiry@mantasil.com Web: www.mantasil.com