

Manta E1038 Water-in-oil Emulsifier

Description

Manta E1038 is a lipophilic alkyl-containing polyether polydimethylsiloxane with excellent W/Si and W/O emulsifying capabilities, good emulsifying capabilities for both silicone and non-silicon oils, and excellent dispersion ability for powder raw materials. Low emulsifier dosage can achieve high water content. This product has a characteristic smell.

Typical Physical Properties

INCI/CTFA	Lauryl PEG-9 Dimethicone Ethyl Dimethicone
Appearance	Colorless to slightly yellow transparent to translucent liquid
Refractive index (25°C)	1.4300-1.4500
Specific gravity (25°C)	0.950-1.000
Viscosity (cSt, 25°C)	500-2500

Properties

Alkyl polyether polydimethylsiloxane;
Excellent W/Si, W/O emulsifying ability;
Easy to emulsify and can be operated at low temperature;
Good emulsifying ability for silicone oil and oil esters;
Silky and non-sticky skin feel.

Applications

Manta E1038 can be used in a variety of personal care products, including: skin care, makeup, and sunscreen etc.

How to use

Under rapid stirring, slowly add the water phase into the oil phase in portions and stir quickly evenly. Increasing the stirring speed can improve the stability of the emulsion system, and adding antifreeze agents such as propylene glycol and glycerol can improve the antifreeze effect of the product. Increasing the proportion of water phase can increase the viscosity of the system. Before adding water to emulsify, the oil and emulsifier should be stirred evenly; If all raw materials are liquid, they can be emulsified at room temperature without homogenization, and a stable emulsion can be obtained by rapid stirring;

Adding electrolyte (0.5-2% sodium chloride) solution to the aqueous phase can improve the storage stability of the emulsion system.

The recommended usage level as the main emulsifier is 1%-5%.

The recommended usage level as a co-emulsifier is 0.1-1.5%.

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