MANTA

Technical Data Sheet

Version: 1.0

Manta W340-25 Oil-soluble Silicone Wax

Description

Manta W340-25 is a silicone wax that seamlessly combines the structural benefits of organic waxes with the superior lubricity of silicones.

Physically appearing as a white waxy solid, Manta W340-25 acts as a highly efficient hybrid structurant. It is designed to provide body and viscosity to formulations without the heavy, tacky, or dragging feel typically associated with traditional waxes like beeswax or carnauba. Because its melting point (30-40°C) aligns perfectly with human skin temperature, it exhibits a distinct melt-on-skin rheological profile. Upon application, it transforms instantly from a solid structure to a lubricious, satin-like fluid, ensuring exceptional spreadability and moisture retention.

Typical Physical Properties

INCI/CTFA	Cetearyl Methicone
Chemical Name:	Alkyl-Modified Silicone Wax (Cetearyl Methicone)
Appearance	White waxy solid
Specific gravity (25°C)	0.800~0.850
Melting point (°C)	30~40

Note: These values are not intended for use in preparing specifications.

Features

1. Functions as a superior rheology modifier and structurant for oil phases.
2. Physiologically inert.
3. Imparts a profoundly silky, smooth, and non-tacky skin feel.
4. Provides outstanding lubricity, slip, and a soft-focus gloss.
5. Delivers excellent hydrophobicity, acting as a breathable barrier for moisture retention.
6. Exhibits exceptional compatibility and miscibility with a wide range of organic cosmetic raw materials, natural lipids, and esters.

Applications

Manta W340-25 is a sensory additive for various personal care products, including:

1. Color Cosmetics: Lipsticks, lip balms, concealers, and eyebrow pencils (improves stick payout and reduces brittleness).
2. Hair Care: Daily conditioners, pre-chemical treatment protectants (for cold perming, straightening, or dyeing), and deep conditioning masks (adds shine and manageability).
3. Skin Care: Facial creams, protective body lotions, and sunscreens (enhances wash-off resistance).

How to Use

1. Processing: Manta W340-25 must be completely melted before incorporation. Add it to the oil phase of the formulation and heat to approximately 50-60°C (or until fully liquid and clear) while stirring to ensure complete homogeneity.
2. Recommended Dosage: 1.0% - 20.0% of the total formulation, depending on the desired viscosity, structural firmness, and sensory profile of the final product.

Packing

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 in the original unopened containers, this product has a usable life of 24 months from the date of production. This product is non-hazardous product.

Contact Information

Nanjing Manta New Material Co., Ltd
Add: Room 102-247, Building 17, No. 1 Qiliqiao North Road, Nanjing Area of the China (Jiangsu) Pilot Free Trade Zone, Nanjing, China
Factory: Miaoguan Town Industrial Park, Sishui County, Jining City, Shandong Province, China
Mob: 0086 18962800162
Mail:sales@mantasil.com Web:www.mantasilicone.com