

NATURAL METHYL GLUCOSIDE DERIVATIVES Product Bulletin

KROMAMULS SS

INCI Name: Methyl Glucose Sesquistearate

Description

Kromamuls SS is methyl glucose esterified with stearic acid. It is 100% active, and is supplied as off-white flakes. It is an extremely effective emulsifying agent and is recommended for use in skin care products including creams and lotions. Due to the mild characteristics of this product, it is particularly useful in formulating sensitive skin products.

Typical properties (not intended as product specification)

Appearance at 25°C	off-white flakes
Acid Number, mg/g	< 5
Hydroxyl Value, mg/g	265-305
Saponification Value, mg/g	125-140
Iodine Value	< 1

Properties

- Primary W/O emulsifier
- Used with Kromamuls SSE20, can provide long-term shelf life and viscosity stability
- Co-emulsifier for O/W systems
- Strengthens and rigidifies molded sticks; reduces syneresis
- Supplemental stabilizer for multiple phase make-up products
- Mild barrier supplement for moisture retention in topical products
- Improves cushion in emulsions

Applications

- Cream, lotions
- Massage creams for sensitive skins
- Baby lotions

Formula Guidelines

Typically used at a level of: 0.5 – 3.0 % as co-emulsifier for O/W emulsion together with 2-3% Kromamuls SSE20.
Add to the oil phase: Heat to 70~80°C . Add oil phase into water phase while mixing.
Then homogenize.

Storage & Handlings

Standard packing: 60 kg drums.

Storage: keep in a cool, dry, ventilated and lightless place.