



MPL Products
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Hydrogenated Castor Oil (HCO) Product Data Sheet

GENERAL INFORMATION: Hydrogenated castor oil products are solid emollients. The materials are very commonly used as an addition to suspensoid antiperspirant sticks. They may also be incorporated into the oil phase of oil-in-water emulsions where they function as an internal phase thickener and emollient. Owing to their occlusivity, they reduce trans-epidermal water loss and, in addition, hydrate the skin through humectancy via hydrogen bonding between water and the material's hydroxyl groups. One of the grades meets the specifications set forth in the National Formulary.

Characteristics

- High melting point
- Odorless and tasteless
- Compatible with silicone fluids
- Thickener and opacifier
- Heat stability at high temperatures
- Improved distribution of antiperspirant actives
- Lends luster and repels water from pigmented systems

Applications

- Antiperspirant sticks
- Lipsticks
- Sunscreens

SPECIFIC PROPERTIES

Composition		100 % HCO
Appearance		White Flaks
Color	Gardner	3 max
Acid Number	mgKOH/g	3 max
Iodine Value		3 max
Saponification Value	mg KOH/g	177 min
Hydroxyl Value	mg KOH/g	155 min
Melting Point	Deg C	84-88
Nickel	ppm	20 max



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ADVANTAGES AND APPLICATIONS

- ❖ Lubricants
- ❖ Heavy duty automotive Greases.
- ❖ Fuel Additives.

PACKAGING

Iso Tank, 1200 kg Jumbo bag, 1000 Kg Jumbo bag, 650 kg Jumbo bag, 500 kg Jumbo, 25 kg Paper bag.

SHELF LIFE:

2 Years From Mfg.