

Trihydroxystearin

Specification Sheet

Description: Rheological additive made by hydrogenating castor oil resulting in a fine powder. Melting Point 85-88oC. Non-animal origin.

CAS: 139-44-6

INCI Name: Trihydroxystearin

Composition: Trihydroxystearin

Appearance: Off-white powder, faint odor.

Benefits:

- Provides thixotropic thickening (shear thinning properties) in various oils including mineral, vegetable, and silicones oils, and low-polarity aliphatic solvents.
- Imparts good pay-off in stick products.
- Improves stability when used in the oil phase of emulsions.
- Can be used as a binder in pressed powers.

Use: Add to heated oil at 55-60oC (130-140F), mix for 10-20 min (!) under high sheer to fully activate. Keep blending (blade stirrer) in the cool down phase, until 40oC (100F). Usage level: 0.2-0.8% and 0.5-2% for pressed powders. For external use only.

Applications: Creams, lipsticks, massage gels, balms.

Solubility: Water-insoluble, oil-soluble

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: India

Raw material source: Castor oil, glycerin



10800 231st Way NE
Redmond, WA 98053
Phone: 425-292-9502
makingcosmetics.com

Manufacture: Trihydroxystearin is produced by esterification of glycerin and hydroxystearic acid. Hydroxystearic acid is made from the catalytic hydrogenation of castor oil.

Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 2905170000

MakingCosmetics Inc.

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Phone 425-292-9502 Fax 425-292-9601 www.makingcosmetics.com