

Trihydroxystearin

Specification Sheet

Description: Rheological additive made by hydrogenating castor oil resulting in a fine powder. Melting Point 85-88°C. Off-white powder, faint odor. Water-insoluble, oil-soluble. Non-animal origin. Approved by Ecocert Greenlife in accordance with the Natural and Organic Cosmetics standards.

CAS: 139-44-6

INCI Name: Trihydroxystearin

Benefits:

- Provides thixotropic thickening (shear thinning properties) in various oils including mineral, vegetable and silicones oils, and also 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 powders

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

Applications: Creams, lipsticks, massage gels, balms.

Country of Origin: USA

Raw material source: Castor oil, glycerin

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