

Updated: 16-Jan-2023

Polyhydroxystearic Acid

Specification Sheet

Description: Solid wax that is naturally derived from castor oil. Acts as a texturing agent, wax, thickener, and film former. Warm to use. Melting point 50-70°C (122-158°F). Saponification Value 90-125mg KOH/g.

CAS: 58128-22-6

INCI Name: Polyhydroxystearic acid

Composition: Polyhydroxystearic acid

Appearance: Light tan to brown paste

Benefits:

- Solid waxy thickener, providing consistency and emolliency to lotions and creams but also color cosmetics
- Great oil-gelling agent
- Acts also as film-former, emulsion stabilizer, sunscreen enhancer, and plasticizer
- Ideal for creating creamier textures while increasing the stability of emulsions
- Use: Add to hot oil phase (122-158°F). Typical use level 1-25%. For external use only.
- Applications: Creams, lotions, gels, sunscreens, color cosmetics (e.g. eye shadow).

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Solubility: Water-insoluble, oil soluble

Preservation: Preservative-free

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



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Country of Origin: USA

Raw material source: Starting material are castor beans

Manufacture: Polyhydroxystearic acid is a polymer of hydroxystearic acid obtained from castor oil.

Animal Testing: Not animal tested

GMO: GMO free

Vegan: Does not contains animal-derived components