

Updated: 30-Apr-2021

Polyhydroxystearic Acid

Specification Sheet

Description: Soft and pliable wax that is naturally derived from castor oil. Acts as a texturing agent, wax, thickener and film former. Melting point 50-70oC (122-158F). Saponification Value 90-125mg KOH/g. Average molecular weight is 1400-1500g/m and polydispersity ranges from 3-6 repeating units. Light tan to brown paste. Water-insoluble, oil soluble.

CAS: 58128-22-6

INCI Name: Polyhydroxystearic acid

Benefits:

- Thick pasty 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 (122-158F). Typical use level 1-25%. For external use only.
- Applications: Creams, lotions, gels, sunscreens, color cosmetics (e.g. eye shadow).

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