

## 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).

**Solubility:** Water-insoluble, oil soluble

**Preservation:** Preservative-free

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

**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.



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

---

**GMO:** GMO-free

**Vegan:** Does not contain animal-derived components.

**HS Code:** 3505100000