

## PEG-150 Distearate

### Specification Sheet

**Description:** Polyethylene glycol diester of stearic acid. HLB 18.9 (gives oil-in-water emulsions). Appears slightly cloudy in water, but clear in surfactant-containing solutions.

**CAS:** 9005-08-7

**INCI Name:** PEG-150 Distearate

**Composition:** PEG-150 Distearate

**Appearance:** White flakes, characteristic odor

**Benefits:**

- Effective thickener for surfactant-containing products (e.g. shampoo, conditioner, shower gels).
- Solubilizer for various water-insoluble ingredients.
- Has good co-emulsifying properties in creams & lotions.

**Use:** Heat to 60°C (140°F) when incorporating into formulas. Typical use level 0.5 - 5% (even at low levels there is a thickening effect). For external use only.

**Applications:** Shampoo, conditioner, shower gels, baby shampoo, bubble bath, creams, lotions & other emulsions.

**Solubility:** Water-soluble

**Preservation:** Preservative-free

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

**Country of Origin:** USA

**Raw material source:** Palm kernel oil, ethylene oxide

**Manufacture:** PEG-150 distearate is produced by esterification of stearic acid and then reacted with ethylene oxide.

**Animal Testing:** Not animal tested.

**GMO:** No data available.

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

**HS Code:** 3402420000

**Proposition 65:** WARNING: This product can expose you to chemicals including ethylene oxide (<1 ppm) and 1,4-dioxane (<10ppm) which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)