

## Glyceryl Oleate

### Specification Sheet

**Description:** Glyceryl oleate is the monoester of glycerin and oleic acid. It's part of the hair lipids and skin lipids and has re-fating properties. Used as emulsifier and nonionic co-surfactant in various skin and hair care products. Creates water-in-oil emulsions (HLB value 3.5) but can also be used as a co-emulsifier and thickener for oil-in-water formulations. Saponification value: 160-180. Pale yellow soft solid, becomes liquid at temperatures above 21 °C (70 °F), bland odor. Soluble in oil.

**CAS:** 111-03-5, 37220-82-9

**INCI Name:** Glyceryl oleate

**Composition:** Glyceryl oleate

**Appearance:** Pale yellow soft solid, becomes liquid at temperatures above 21 °C (70 °F), bland odor

**Benefits:**

- Emulsifies water and oil phase to form water-in-oil emulsions
- Acts as stabilizer and thickener in oil-in-water formulations
- Widely used as re-fating agent in shower gels and hair shampoos

**Use:** Add to oil/emulsifier phase of formulas. Typical use level: 0.5-3%. If used in surfactant systems, typical use level is 0.5-1% which should still keep shampoos clear and transparent. For external use only.

**Applications:** Creams, lotions, shampoos, shower gels, liquid soaps, hair pomades.

**Solubility:** 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:** Fatty acids derived from coconut and palm oil.

**Manufacture:** Glyceryl oleate is produced by combining naturally derived oleic acid with glycerin.



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**Animal Testing:** Not animal tested

**GMO:** GMO-free

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

**HS Code:** 3823706000