

# Glyceryl Stearate Citrate

## Specification Sheet

**Description:** Glyceryl diester made of glycerin and fatty acids derived from vegetable oils. Acts as hydrophilic, PEG-free, anionic o/w emulsifier and emollient. Well suited for emulsions with a slightly acidic pH-value or emulsions with UV filters. HLB value 12. Oil-soluble, only partly water soluble.

**CAS:** 55840-13-6, 86418-55-5

**INCI Name:** Glyceryl stearate citrate

**Benefits:**

- Potent emulsifier for making o/w emulsions
- Supports the consistency and the oil binding capacity and can also be used as co-emulsifier for PEG-free formulations
- Provides a soft and smooth appearance on the skin and can be used also for sensitive skin

**Use:** Add pellets to the hot oil phase (approx. 80°C / 176°F) and stir until homogeneous. Combine then with hot water phase. Typical use level 1.5-2.5%. Stable emulsions from pH 5.5-8.0. For external use only.

**Applications:** Creams, lotions, baby care products, sunscreens, after sun care products.

**Country of Origin:** USA

**Raw material source:** Soy oil

**Manufacture:** Glyceryl stearate citrate is a combination of glycerin mono-/distearates and citric acid esters from mono- and diglycerides. Glyceryl stearate itself is made by reacting glycerin with stearic acid, a fatty acid obtained from soy oil.

**Animal Testing:** Not animal tested

**GMO:** Not tested for GMOs

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