

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 (gives oil-in-water emulsions).

CAS: 91744-39-7

INCI Name: Glyceryl Stearate Citrate

Composition: Glyceryl Stearate Citrate

Appearance: Waxy solid pellets.

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.

Solubility: Oil-soluble, only partly water soluble

Preservation: Preservative-free

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

Country of Origin: Germany

Raw material source: Palm (*Elaeis guineensis*), rape/canola (*Brassica*), sugar cane (*Saccharum officinale*), sugar beet (*Beta vulgaris*) and/or corn (*Zea mays*)



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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: GMO-free.

Vegan: Does not contain animal-derived components.

HS Code: 2915700100