

## CreamMaker® ANIO

### Specification Sheet

**Description:** PEG-free anionic o/w emulsifier used as a liquid oil-in-water emulsifier for cold, hot/cold and hot emulsification. Completely based on vegetable raw materials. Especially recommended for sensitive skin and shows very good emulsifying ability with both polar and non-polar oils. Stabilizes emulsions with low and high oil content. HLB value: approximately 13. Light yellow to yellow liquid. Partly water-soluble.

**CAS:** 91052-16-3, 97593-31-2, 73398-61-5

**INCI Name:** Glyceryl oleate citrate, caprylic/capric triglyceride

**Composition:** Glyceryl oleate citrate, caprylic/capric triglyceride

**Purity Grade:** No purity grade applicable

**Appearance:** Light yellow to yellow liquid

**Benefits:**

- Easy-to-process emulsifier due to its liquid form
- Confers a rich texture and feel to the skin
- Stabilizes emulsions with low and high oil content (10-40%)
- Shows very good emulsifying ability with both polar and non-polar oils
- Suited for manufacturing of sprayable lotions
- Can also be used as co-emulsifier for PEG-free formulations

**Use:** Preferably added to the oil phase of the emulsion although it can be added to the aqueous phase. Typical use level: 2-4% for o/w emulsions. Can be used over a wide pH range (4-9). For external use only. Note: May develop turbidity or sediments upon standing, revert by gently warming (to approx. 40°C/104°F).

**Applications:** Creams, lotions, sprayable emulsions, and various other products requiring emulsification.

**Solubility:** Water-soluble

**Preservation:** Preservative-free

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

**Country of Origin:** Germany

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**Raw material source:** Coconut oil, vegetable oils

**Manufacture:** Glyceryl oleate is produced by combining naturally derived oleic acid with glycerin. Triglyceride is produced from coconut oil which is first hydrolyzed to yield fatty acids and glycerol. The fatty acids undergo distillation to separate them into fractions of different chain lengths. The C8 caprylic acid and C10 capric acid fractions are then re-esterified with glycerol to form triglyceride.

**Animal Testing:** Not animal tested

**GMO:** GMO-free

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

**HS Code:** 29181550