

TEGINACID®

Emulsifier for the formulation of cosmetic O/W emulsions

- Blend of emulsifier and consistency enhancer for cosmetic O/W creams
- Stable emulsions at pH 4.0 to 8.5

Personal Care

INCI name (CTFA name)

Glyceryl Stearate; Cetareth-20

Chemical and physical properties (not part of specifications)	
Form	Granules
HLB value	approx. 12

Application

- TEGINACID® is suitable for the formulation of cosmetic O/W creams.
- The product is distinguished by the stability in acid or weakly alkaline formulations (pH 4.0 up to 8.5).

Preparation

We recommend for the preparation of creams to heat oil phase and water phase separately to approx. 75 °C.

Furthermore we recommend adding the hot oil phase to the hot water phase **while stirring**. The coarsely dispersed pre-emulsion is then homogenised.

If the above-mentioned processing is not possible, we recommend to combine the hot water and oil phase **without stirring** (to avoid the building of the water-in-oil form) and start afterwards with the homogenisation.

During cooling, a constant horizontal and vertical movement of the emulsion has to be ensured. The viscosity of the liquid emulsion increases to a creamy consistency, as the hydrated consistency promoters solidify.

Perfume, temperature-sensitive substances or electrolyte containing ingredients are added at 35 – 45 °C.

The particle size of the dispersed oil droplets of long-term stable creams is approximately 1 – 4 µm. More coarsely dispersed emulsions tend to separate.

Recommended usage concentration

4.0 – 7.0 % of TEGINACID®

Packaging

600 kg pallet (24 x 25 kg)

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

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