

GelMaker® RHEO

Specification Sheet

Description: Multifunctional anionic rheology modifier (polyacrylate polymer) that can be used to emulsify and stabilize high levels of oils and silicones. 50-55% active content. Gives oil-in-water emulsions.

CAS: 9003-04-7, 92044-87-6, 642443-86-5, 9005-64-5

INCI Name: Sodium polyacrylate, ethylhexyl cocoate, PPG-3 benzyl ether myristate, polysorbate 20

Composition: Sodium polyacrylate, ethylhexyl cocoate, PPG-3 benzyl ether myristate, polysorbate 20

Appearance: White, slightly viscous liquid

Benefits:

- Excellent thickener as it thickens up to 65,000 cPs at only 2% concentration.
- Auto-emulsifies up to 30% oils or silicones.
- Creates viscous creams at low inclusion levels.
- Leaves a smooth, silky, silicone-like feel to the skin.
- Particularly suited for the stabilization of formulas containing silicones.

Use: Typical use level 0.5-3%. Can be added at any stage during the manufacture of both hot or cold formulas. Thickening occurs within seconds and homogeneity of the formulation is reached within minutes forming a stable emulsion. For external use only.

Applications: Gel-creams, emulsion-gels, cold emulsions, lotions, creams, skin-whitening /self-tanning products, sun care & baby care products, mascara, foundations.

Solubility: Water-soluble

Preservation: Preservative-free

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

Country of Origin: USA

Raw material source: Acrylic acid, sodium hydroxide



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Manufacture: The main ingredient, sodium polyacrylate, is produced by neutralizing acrylic acid with sodium hydroxide yielding a solution of sodium acrylate monomers which is subsequently polymerized to sodium polyacrylate. The polymer is then combined with 3 emollients/emulsifiers to create a proprietary blend.

Animal Testing: Not animal tested.

GMO: No data available

Vegan: Does not contain animal-derived components.

HS Code: 3402130000