MAKINGCOSMETICS

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CreamMaker® Silicone

Specification Sheet

Description: PEG-free water-in-silicone or water-in-oil silicone emulsifier. Offers great formulation flexibility with a broad range of silicone and organic oils. Low viscosity emulsions can be achieved. Provides also high dispersion capability for powders and pigments. Colorless to light brown clear liquid. Calculated HLB 2. Viscosity 2,000-5,000 mm^2/s. Not water-soluble. Oil-soluble.
CAS: 1466529-58-7
INCI Name: Cetyl diglyceryl tris(trimethylsiloxy)silylethyl dimethicone
Benefits:

- Easy-to-use silicone emulsifier that can be processed cold or hot
- Allows PEG-free formulating
- Designed to create low viscosity water-in-oil emulsions with enhanced sensory experience for high-performance skin care products
- The powder dispersing capabilities allow better formulation with pigments (e.g. titanium dioxide) and powders

Use: Preferably added to the oil phase of the emulsion. Typical use level: 2-5% depending on water-content (the higher the water content the lower the concentration of the emulsifier needed). Can be used over a wide pH range (4-9). For external use only.
Applications: Creams, lotions, sprayable emulsions, color cosmetics, sun care products, deodorants.
Country of Origin: USA
Raw material source: Dimethyldichlorosilane, water
Manufacture: Dimethicone is made from dimethyldichlorosilane which is produced by powdered silicon (silicone dioxide) and methyl chloride. Dimethyldichlorosilane is then hydrolyzed to give a hydrolysate of polysiloxanes. In a polymerization reaction with water the polysiloxanes are then polymerized to linear silicone polymers with different chain length (dimethicones). Dimethicone is then further processed to form Cetyl diglyceryl tris(trimethylsiloxy)silylethyl dimethicone.
Animal Testing: Not animal tested
GMO: GMO free (does not contain plant-derived components)
Vegan: Does not contain animal-derived components