

## GelMaker® EMU

### Specification Sheet

**Description:** Pre-neutralized polymer in an inverse emulsion that forms hydro-swelling droplets (HSD) in water. Translucent, slightly viscous liquid. pH: 5-7 (2% aqueous gel).

**CAS:** 77019-71-7, 4390-04-9, 9005-65-6

**INCI Name:** Sodium acrylate/sodium acryloyldimethyl taurate copolymer, isohexadecane, polysorbate 80

**Benefits:**

- Excellent thickener by forming gels over a wide pH range (4-12)
- Emulsifies all kinds of oily phases (up to 40%) including silicones and vegetable oils without the addition of a conventional emulsifier
- Able to produce cold emulsions
- Stabilizes emulsions and maintains the viscosity of a formula
- Gives light and pleasant texture to spread on skin

**Use:** Emulsions: 0.5-2%. Can be added into fat or water phase, or at the end of emulsification. Needs good mixing with hand mixer to get smooth creams. Gel creams: 1-5%. When using over 3% use at least 12% oils for best performance. 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.

**Country of Origin:** France

**Raw material source:** Sodiumacrylate, sorbitol, vegetable oils, petroleum derivatives

**Manufacture:** The copolymer is made by polymerization of sodiumacrylate and sodium acryloyldimethyl taurate monomers. Isohexadecane is made in a multi-step process to form a branched C16 hydrocarbon from petroleum derivatives. Polysorbate 80 is obtained by esterification of sorbitol with one or three molecules of a fatty acid including stearic, lauric, oleic, and palmitic acid.

**Animal Testing:** Not animal tested

**GMO:** GMO free but not certified

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