

## GelMaker® PH

### Specification Sheet

**Description:** Ready-to-use anionic polymer in powder form for creating clear aqueous gels without the need for pH neutralization. The polymer works as a thickener and stabilizer in emulsions and surfactant systems and offers excellent particle suspension power. Appearance: White powder. pH as supplied: 4-5.5 (when prepared as 1.5% aqueous gel). Dispersible in cold and hot water.

**CAS:** 111286-86-3

**INCI Name:** Polyacrylate crosspolymer-6

**Benefits:**

- Produces clear aqueous gels providing an elegant and soft, silicone-like skin feel
- Can be used also to thicken and/or stabilize emulsions (creams & lotions) in combination with other thickeners including gums, pectins, or cellulose derivatives
- Acts well as oil thickener (even at low concentrations) as it works synergistically with fatty alcohols (e.g. cetyl alcohol, cetearyl alcohol etc.)
- Increases thickness and foam density when used with anionic or non-ionic surfactant
- Has extreme resistance to electrolytes up to 10% salts
- Compatible with ethanol and other solvents, surfactants, AHAs, salicylic acid, zinc pyrithione, sunscreens, and pigments

**Use:** GelMaker PH can be used in cold or hot solutions. For making clear gels, sprinkle the powder over the aqueous phase and mix at low speed (500-1500rpm) while adding additional ingredients (e.g. minerals) for about 5-10 minutes to allow it to hydrate. For making cream gels, sprinkle the powder over the hot or cold oil phase. Typical use level is 0.5-5%. Gels are stable between pH 2 and 8. For external use only.

**Applications:** Clear gels, creams, lotions, transparent hair gels, sun care products

**Country of Origin:** France

**Raw material source:** Acrylic acid

**Manufacture:** Polyacrylates are prepared synthetically using acrylic acid derivatives in aqueous solution under specially controlled reaction conditions.

**Animal Testing:** Not animal tested

**GMO:** GMO free (does not contain plant-derived components)



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