

# Hydroxypropyl Methylcellulose

## Specification Sheet

**Description:** Nonionic water-soluble cellulosic polymers which provides thickening in a wide range of applications. Viscosity 60,000 - 90,000cP in 2% solution.

**CAS:** 9004-65-3, 7647-14-5

**INCI Name:** Hydroxypropyl Methylcellulose, Sodium Chloride

**Composition:** Hydroxypropylmethyl Cellulose, Sodium Chloride, Ethanedial

**Appearance:** Off-white to yellowish free flowing powder, faint odor

### Benefits:

- Effectively thickens the water phase of shampoos, conditioners, topical gels, and other kinds of emulsions.
- Often used as foam enhancer and anti-caking agent.
- Has good foam enhancement properties in cleansing applications.

**Use:** Dispersible in cold water; needs good wetting until gel forms, then mix well for a smooth consistency. Common usage level: 0.2 - 1%. For creams and lotions 0.2-0.5%; for gels up to 1% or more. Can also be combined with other thickeners. For external use only.

**Applications:** Shampoos, gels, serum, lotions & creams, hair preparations.

**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:** Cotton fibers

**Manufacture:** Hydroxypropyl methylcellulose is produced by treating heated cellulose fibers with a caustic solution which in turn is reacted with methyl chloride and propylene oxide yielding the propyl-methyl ether of cellulose. The fibrous reaction product is purified and ground to a fine, uniform powder.



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**Animal Testing:** Not animal tested.

**GMO:** GMO-free

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

**HS Code:** 3505100000