

## Hair Fix Powder

### Specification Sheet

**Description:** Polymeric film-forming agent for use as hair fixatives particularly in aerosol sprays, pump sprays, liquid products, mousses and gels. Made of vinylpyrrolidone (VP) and vinyl acetate (VA) copolymer (ratio 60:40). Concentration 100%. pH 3.8-6.0 (10% aqueous solution). Soluble also in soluble in ethanol, isopropanol, n-propanol, and glycerin. Solutions are nonionic and thus do not need to be neutralized. White powder, faint characteristic odor. Soluble in water and ethanol.

**CAS:** 25086-89-9

**INCI Name:** VP/VA copolymer

**Benefits:**

- Very effective film-forming agent and fixative for hair care products
- Excellent combing-out and washing-out properties thanks to the non-ionic nature of the polymer
- Particularly suitable for liquid hair setting products like gels, mousses, and sprays with a high water content
- Forms clear solutions in water (may have to be heated to dissolve precipitates)

**Use:** Add to water phase of formulas (usually no heating required). Typical use level between 1-12%. For external use only.

**Applications:** All kinds of hair styling products including gels, mousse, sprays, waxes & pomades. Shampoos & conditioners.

**Country of Origin:** USA

**Raw material source:** Vinyl pyrrolidone, vinyl acetate

**Manufacture:** VP Copolymer is produced by polymerization of vinyl pyrrolidone (VP) and vinyl acetate (VA) monomers to form a large polymer molecule.

**Animal Testing:** Not animal tested

**GMO:** Not tested for GMOs

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