

## what is polyacrylamide?

[Polyacrylamide](#) (PAM) is a polymer created from acrylamide systems, and acrylamide is a well-known neurotoxin. Nonetheless, according to Wikipedia, polyacrylamide is ruled out toxic but is a questionable active ingredient due to its potential capability to produce acrylamide. It is used in cosmetics and charm products in two different types, a very absorbent soft gel in a cross-linked type and a thickener and suspension representative in a straight-chain kind. Recently, it has additionally been used as an energetic component in the dermal wrinkle filler Aquamid.

Polyacrylamide is an active ingredient in different cosmetic and appeal products: skin cleansers, creams, lotions and lotions, tanning products, cosmetics, and hair and nail treatment items. In skin, hair, or nails, it forms a thin finish as it dries. In hair treatment products it helps hair to retain its design by inhibiting its ability to absorb water. In make-up products, it holds the active ingredients of pressed flakes or cakes together. In sun protection products, it helps to maintain sun protection on the skin after immersion in water. Little polyacrylamide grains are additionally made use of as abrasives in skin cleansing items.



polyacrylamide

Softshell jelly pills are printed with polyacrylamide as a film-forming agent, which the US Food and Drug Administration permits.

The Cosmetic Database considers polyacrylamide a moderately harmful component and points out numerous issues, including neurotoxicity, organ system poisoning, and information spaces.

The biggest question about using polyacrylamide is contamination, and also, the existence of acrylamide is a well-known toxic substance.

Because of carcinogenicity, developing and also reproductive poisoning, allergies, organ system toxicity, neurotoxicity, skin and also eye irritation, endocrine disturbance, as well as biohazards, acrylamide is rated a risky active ingredient by the EWG with a score of 10, the highest feasible degree. According to the study, polyacrylamide has been authorized by the FDA and also CIR. Still, to secure consumers, the CIR panel restricted the amount of acrylamide that might be existing in any product. It established an upper limit of 5 ppm for acrylamide residues in cosmetics and personal treatment items.

[Shanghai Vcycletech Co., Limited.](#) is a professional manufacturer of polyacrylamide. The company provides integrated services of sales, storage, and transportation of chemical raw materials. The company has a modern quality management system, and all products are inspected for quality and put into storage. We can provide you with high-quality products and preferential prices. For further information about PAM, please get in touch with us.