



Safety Statement

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Product Name: AC Phytocoll PF

Code: 16564

INCI Name: Yeast Extract

AC Phytocoll PF is manufactured by fermenting yeast in a defined media at a specific temperature for a set duration. The ferment is then filtered.

Yeast extracts are typically hydrolyzed or autolyzed, both of which result in proteins being broken down into amino acids. The Cosmetic Ingredient Review (CIR) analyzed the safety of plant and animal amino acids, including yeast amino acids, as used in cosmetics. Based on toxicological data, as well as irritation and sensitization studies, the amino acids covered in the report were declared to be safe as presently used in cosmetic applications.¹

Yeast autolysate, or autolyzate, is included on the FDA's Generally Recognized as Safe (GRAS) list as an approved, safe addition to food products according to the FDA's Federal Food, Drug and Cosmetic Act.²

The act states:

Any substance that is intentionally added to food is a food additive, that is subject to premarket review and approval by FDA, unless the substance is generally recognized, among qualified experts, as having been adequately shown to be safe under the conditions of its intended use, or unless the use of the substance is otherwise excluded from the definition of a food additive.³

AC Phytocoll PF was tested using *in vitro* dermal and ocular irritation models. This product was found to be non-irritating in both models. The full report is attached for reference.

The above information supports the safety of AC Phytocoll PF in cosmetic applications at use levels of 1.0 – 10.0%. No further testing is required at this time.

1. "Safety Assessment of Animal- and Plant-Derived Amino Acids as Used in Cosmetics". Cosmetic Ingredient Review. <http://online.personalcarecouncil.org/ctfa-static/online/lists/cir-pdfs/FR625.pdf>
2. "Yeast Autolyzates". U.S. Food & Drug Administration. <http://www.fda.gov/Food/IngredientsPackagingLabeling/GRAS/SCOGS/ucm261113.htm>
3. Federal Food, Drug and Cosmetic Act. U.S Food and Drug Administration. www.fda.gov

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