



Safety Statement

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Product Name: AC Foaming Wheat PF

Code: 20611PF

INCI Name: Sodium Cocoyl Hydrolyzed Wheat Protein

AC Foaming Wheat PF is manufactured by first processing wheat (*Triticum vulgare*). The wheat proteins are then hydrolyzed in water before being reacted with coconut oil to form a fatty acid condensate. Finally, the product undergoes filtration and neutralization with sodium hydroxide.

The Cosmetic Ingredient Review (CIR) published a safety assessment for amino acid alkyl amides as used in cosmetics, including sodium cocoyl wheat amino acids. The panel concluded that sodium cocoyl wheat amino acids are safe as presently used in cosmetics. This conclusion was supported by safety test data, including dermal irritation and sensitization, ocular irritation, phototoxicity, and genotoxicity.¹

The Cosmetic Ingredient Review (CIR) conducted a safety assessment of hydrolyzed wheat protein and hydrolyzed wheat gluten as used in cosmetics. The proteins used in the study ranged from approximately 500 Da to greater than 30 kDa. The review found that peptides greater than 30 amino acids in length (equivalent to a molecular weight of approximately 3000 Da) can precipitate Type I hypersensitivity reactions in individuals sensitized to either wheat or gluten hydrolysates. However, the molecular weight of AC Foaming Wheat PF is 1500 – 2000 Da, and its composition does not exceed 30 amino acids, so it is not a risk factor for this hypersensitivity.²

Active Concepts, LLC certifies that AC Foaming Wheat PF is free of intact gluten.

AC Foaming Wheat 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 Foaming Wheat PF in cosmetic applications at use levels of 1.0 – 10.0%. No further testing is required at this time.

1. "Safety Assessment of Amino Acid Alkyl Amides as Used in Cosmetics". Cosmetic Ingredient Review. <http://online.personalcarecouncil.org/ctfa-static/online/lists/cir-pdfs/FR645.pdf>
2. "Safety Assessment of Hydrolyzed Wheat Protein and Hydrolyzed Wheat Gluten as Used in Cosmetics". Cosmetic Ingredient Review. <http://online.personalcarecouncil.org/ctfa-static/online/lists/cir-pdfs/TR624.pdf>

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