



Safety Statement

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Product Name: AC Collagen Prepeptide PF

Code: 20452PF

INCI Name: Tripeptide-29

AC Collagen Prepeptide PF is manufactured by synthesizing the peptide from amino acids in liquid phase.

While there are no published safety assessments for tripeptide-29, the CIR (Cosmetic Ingredient Review) has two safety assessments available that are directly applicable to tripeptide-29.

The CIR analyzed the safety of tripeptide-1, hexapeptide-12, their metal salts and derivatives, and palmitoyl tetrapeptide-7 as used in cosmetics. Tripeptide-1 is similar to tripeptide-29 in that they are both peptides composed of three amino acids connected by peptide bonds. Their structural similarity allows one to infer safety data for tripeptide-29 from tripeptide-1. The CIR study found that tripeptide-1 is negative when tested for repeated dose toxicity, skin irritation, skin sensitization, and genotoxicity.¹

The CIR also published a safety assessment for palmitoyl oligopeptides used in cosmetics. This study included palmitoyl tripeptide-29, which is the reaction product of palmitic acid and tripeptide-29. The CIR found that the palmitoyl oligopeptides are safe as currently used in cosmetics.²

AC Collagen Prepeptide 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 Collagen Prepeptide PF in cosmetic applications at use levels of 0.1 – 1.0%. No further testing is required at this time.

1. "Safety Assessment of Tripeptide-1, Hexapeptide-12, their Metal Salts and Derivatives, and Palmitoyl Tetrapeptide-7 as Used in Cosmetics". Cosmetic Ingredient Review. <http://online.personalcarecouncil.org/ctfa-static/online/lists/cir-pdfs/TR633.pdf>
2. "Safety Assessment of Palmitoyl Oligopeptides as Used in Cosmetics". Cosmetic Ingredient Review. <http://www.cir-safety.org/sites/default/files/palmit072012slr.pdf>

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