



Safety Statement

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Product Name: AC Southernwood Plump BG PF

Code: 20419PF

INCI Name: Butylene Glycol & Artemisia Abrotanum Extract & Water

AC Southernwood Plump BG PF is manufactured by first processing, via mechanical grinding or milling, or *Artemisia abrotanum*. The plant then undergoes an aqueous extraction before blending with butylene glycol.

Butylene glycol is a synthetic compound commonly used as a solvent. In 1985, the Journal of the American College of Toxicology published a report entitled "Final Report on the Safety Assessment of Butylene Glycol, Hexylene Glycol, Ethoxydiglycol, and Dipropylene Glycol".¹

This report concluded that butylene glycol is safe for topical use in cosmetic products. This claim was substantiated by the results of several toxicity and irritation tests. Butylene glycol tested at 100% caused minimal to mild irritation of skin and eyes in test animals. Human skin patch tests on undiluted butylene glycol produced a very low order of primary skin irritation. An RIPT (Repeated Insult Patch Test) produced no evidence of skin sensitization.¹

Artemisia abrotanum, commonly known as southernwood, has historical uses as an herb in foods or hot teas. It also has been used in aromatic bath preparations. While it is not used as often in digestible applications in modern times, it is still considered safe for ingesting. There are no reports of toxicity related to this species.²

AC Southernwood Plump BG 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 Southernwood Plump BG PF in cosmetic applications at use levels of 2.0 – 4.0%. No further testing is required at this time.

1. "Final Reports on the Safety Assessment of Butylene Glycol, Hexylene Glycol, Ethoxydiglycol, and Dipropylene Glycol". Journal of the American College of Toxicology. Volume 4, Number 5. 1985.
2. "Artemisia abrotanum". Plants for a Future. <http://www.pfaf.org/user/Plant.aspx?LatinName=Artemisia+abrotanum>

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