



Official report

Opinion of the Scientific Committee on Consumer Safety (SCCS) – Opinion on the fragrance ingredients *Tagetes minuta* and *Tagetes patula* extracts and essential oils (phototoxicity only) in cosmetic products



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ABSTRACT

Conclusion of the opinion: The SCCS considers a maximum level of 0.01% *Tagetes minuta* and *Tagetes patula* extracts and essential oils in leave-on products (except sunscreen cosmetic products) as safe, provided that the alpha terthienyl (terthiophene) content of the *Tagetes* extracts and oils does not exceed 0.35%.

The *Tagetes* extracts and oils should not be used as ingredients of sunscreen products.

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The *Tagetes* spp. extracts and oils CAS n. 91722-29-1 are widely used fragrance ingredients of many fragrance compounds used in perfumery. Because of industry assessment that *Tagetes* spp. extracts and oils cause photo-toxicity, the IFRA standards recommend:

“For applications on areas of skin exposed to sunshine, excluding bath preparations, soaps and other products which are washed off the skin, oils and absolutes obtained from *Tagetes minuta* L., syn. *Tagetes glandulifera* Schrank and *Tagetes patula* L. should not be used such that the level in the consumer product exceeds 0.01%.”

The Scientific Committee on Consumer Products (SCCP) adopted

at its 4th plenary meeting the 21 of June 2005 the opinion (SCCP/0869/05) on *Tagetes erecta*, *T. minuta* and *T. patula* Extracts and Oils (phototoxicity only) with the following conclusion: *According to the data submitted, Tagetes extracts and oils are phototoxic. As no safe limit of use in cosmetic products has been demonstrated, it is recommended that T. erecta, T. minuta and T. patula extracts and oils should not form part of cosmetic products.*

In August 2013 the Commission received an update dossier by the International Fragrance Association (IFRA) on the safety assessment of *Tagetes* extracts and essential oils. According to the applicant, *Tagetes* extracts and essential oils were examined for its phototoxic potential in vitro systems as well as *in vivo* in experimental animals and human volunteers.

The submission is intended to demonstrate the safety of the ingredients when used as fragrance in cosmetic leave-on products with a concentration limit of 0.01%.

The SCCS considers a maximum level of 0.01% *T. minuta* and *T. patula* extracts and essential oils in leave-on products (except sunscreen cosmetic products) as safe, provided that the alpha

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terthienyl (terthiophene) content of the Tagetes extracts and oils does not exceed 0.35%.

The Tagetes extracts and oils should not be used as ingredients of sunscreen products.

Transparency document

Transparency document related to this article can be found

online at <http://dx.doi.org/10.1016/j.yrtph.2015.11.006>.

Reference

http://ec.europa.eu/health/scientific_committees/consumer_safety/docs/sccs_o_172.pdf.