



Commentary

Opinion of the Scientific Committee on Consumer Safety (SCCS) –
Final version of the opinion on Eco G+ in cosmetic productsScientific Committee on Consumer Safety (SCCS)^{a, *}, Prof. Gisela H. Degen^{b, 1}^a SCCS Secretariat at the European Commission, Directorate General for Health and Food Safety, 11, rue E. Ruppert, L-2920 Luxembourg, Luxembourg^b Leibniz Research Centre for Working Environment and Human Factors (IfADo), Dortmund, Germany

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ABSTRACT

Safety assessment is based on the release of silver ion from the packaging material. SCCS considers the release of silver ions from “EcoG+” as a component in packaging material safe for use as preservative with a concentration of maximum 2.0% in the cosmetic packaging material.

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Submission I for the preservative with the name EcoG+ was submitted by June 2012.

The proposed new preservative ‘EcoG+’ is silver-containing phosphate glass, a powder consisting of small glass beads. ‘EcoG+’ is intended to be mixed with glass beads and an appropriate polymer and used to manufacture composite materials for cosmetic product packaging. The substance intended to be released into the cosmetic product is the silver ion. ‘EcoG+’ therefore acts as an inert carrier, into which the silver ion is dispersed.

‘EcoG+’ is mixed with glass beads and a suitable polymer to form a composite packaging material, a proportion of the glass matrix remains at the surface of the material. The achieved level of the active component (i.e. silver) in ‘EcoG+’ is 2%; the proportion of ‘EcoG+’ envisaged for use in the packaging material is 3%. On use of the composite material as cosmetic product packaging, small amounts of silver ions are released into the cosmetic product, where it is intended to have a preservative function.

The typical use of ‘EcoG+’ is envisaged to be a level of 1.4–2.0% in cosmetics packaging.

The maximum achieved level of silver ion in ‘EcoG+’ is 2%, therefore the maximum achieved level of silver present in the cosmetic packaging material is 420–600 ppm.

The information is subject of the attached Submission I.

Submission II that updates the previously submitted dossier (submission I) was submitted by the applicant in February 2014, in response to specific questions for clarifications from the SCCS.

Safety assessment is based on the release of silver ion from the packaging material.

SCCS considers the release of silver ions from “EcoG+” as a component in packaging material safe for use as preservative with a concentration of maximum 2.0% in the cosmetic packaging material.

Transparency document

Transparency document related to this article can be found online at <http://dx.doi.org/10.1016/j.yrtph.2016.11.006>.

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