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Probabilistic exposure assessment of sun care products

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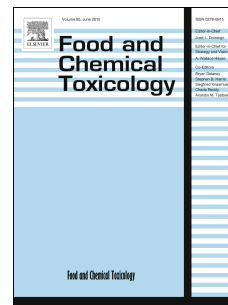
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Abstract

The aim of this study has been to assess the consumption and the exposure to 6 types of sun care products: sunscreen cream, sunscreen milk, sunscreen spray, sunscreen stick, moisturizing cream with SPF and after-sun milk. Consumption data were obtained from 75 clinical safety studies conducted on 3001 subjects: 371 children aged 3-9, 149 children aged 10-14 and 2 481 adults aged more than 15. Exposure was assessed using a probabilistic method. Strength of the study include stratification of consumption and exposure data according to sex and age, as well as other important points such as the galenic form, the site of application and the value of the sun protection factor.

Keywords: Sun care products – Sunscreen – Exposure – Children - Adults

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