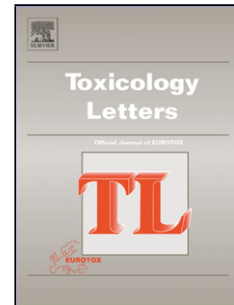


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Critical Evaluation of 2-Ethylhexyl Acrylate Dermal Carcinogenicity Studies Using Contemporary Criteria.

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ABSTRACT

Skin tumors have been observed in C3H/HeJ mice following treatment with high and strongly irritating concentrations of 2-ethylhexyl acrylate (2-EHA). Dermal carcinogenicity studies performed with 2-EHA are reviewed, contrasting the results in two mouse strains (C3H/HeJ and NMRI) under different dosing regimens. Application of contemporary evaluation criteria to the existing dermal carcinogenicity dataset demonstrates that 2-EHA induces skin tumors only at concentrations exceeding an maximum tolerated dose (MTD) and in the immune-dysregulated C3H/HeJ mouse model. Overall, the available chronic toxicity and genotoxicity data on 2-EHA

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