

Peer Review

Review of: "Human Health Risks from Textile Chemicals: A Critical Review of Recent Evidence (2019-2025)"

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This is an excellent overview of the latest research on textile chemicals. I just have a few comments. Fig 1 and Table 1 contain rather few groups of textile chemicals. Maybe add in the figure and table legends “examples of major groups of textile chemicals” or similar. We frequently detect many groups of chemicals in our analyses of common skin-close garments. According to our experience, the dye-related chemicals quinolines, arylamines, and halogenated dinitrobenzenes are all frequent and do not seem to be mainly degradation products from azo dyes, but primarily occur because they are added to the textiles with impure azo dyes. The arylamines detected in clothing sometimes exceed the levels of azo dyes. I was therefore wondering whether these compounds should rather be classified as their own group of textile chemicals. Regarding Fig 1, I was also wondering if this division into exposure routes is fully correct. For instance, benzothiazole has a log P of around 2, which would be optimal for dermal absorption. The same is true for many of the dye-related chemicals.

Declarations

Potential competing interests: No potential competing interests to declare.