



Alternative, Non-Animal Based Safety Assessment

We specialize in developing ethical and scientifically-sound strategies for your cosmetics, personal care, and other consumer products

Non-animal testing approaches are becoming increasingly important for chemical safety assessment as a result of ethical and societal demand. Our specialists integrate non-animal testing approaches into all safety evaluations. Working with a transparent and rule-based conceptual framework, they take into account the chemical and biological activity of substances, along with their toxicokinetic behaviour and potential human exposure levels.

Our approach makes use of:

- Assessing structure activity using a range of (Q)SAR models
- Designing non-animal based testing programs to assess or confirm acute and repeated dose toxicity; skin and eye irritation and the skin sensitisation profile of chemicals in line with the latest techniques
- SAR-/analogue-based hazard assessments ('read-across')
- Assessing read-across uncertainty
- Identifying mechanism ('AOP') supported testing strategies to fill the remaining toxicological data gaps or reduce read-across uncertainties
- Science-based justification and documentation of alternative approaches in accordance with established scientific and regulatory frameworks (e.g., 'RAAF')
- Supports the principles of 3Rs (Replacement, Reduction and Refinement) in line with European practice

We apply these approaches in support of R&D strategies, regulatory submissions or in a product safety and stewardship context. We are constantly monitoring the latest scientific developments and routinely evaluate the possibility of applying novel methodologies to fill toxicological data gaps.

Contact Dr. Thomas Petry and Dr. Francesca Tencalla to discuss how ToxMinds may support your products using non-animal based safety assessment approaches.



ToxMinds BVBA

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About Us

Toxicologists with a Business Mind

ToxMinds BVBA is a product safety and regulatory affairs firm located in Brussels, Belgium. Our passion and motivation is the use of good science, but we also understand the reality of our tightly regulated chemicals world. With our broad industry experience, we support our customers in bringing safe, regulatory compliant and publicly acceptable products to the market.

We provide chemical safety, regulatory and product stewardship support to the following industries:



Industrial
Chemicals



Cosmetic &
Consumer Products



Biocides



Agrochemicals



Green
Biotechnology