

**IDEA Workshop**

**PROJECT: Skin sensitisation potency measurement  
and Risk Assessment without a requirement for  
animals**

July 1, 2025

# RCPL: Key Conclusions

- The RCPL provides an innovative resource for evaluating the ability of NAMs to predict accurately the potency of skin sensitising chemicals/fragrance materials. (It is acknowledged, of course, that there are other models available).
- The RCPL has been extended and now comprises 110 chemicals, primarily fragrance materials. A manuscript describing the extended RCPL has been submitted for publication.
- For each chemical in the extended RCPL a potency value (PV) has been derived based upon the best available human and animal data but excluding consideration of non-animal (in vitro or in silico) data.
- The extended RCPL embraces a broad range of chemistry, a wide spectrum of potency and includes both direct and indirect (pre- and pro-) haptens.
- An advantage of the RCPL is that it does not rely on the categorisation of chemicals into discrete potency classes.
- It is concluded that the RCPL provides a robust approach for determining the ability of individual NAMs, or combinations of NAMs, to provide reliable measurements of skin sensitising potency for fragrance materials that can be employed with confidence for development of effective risk assessments without recourse to animal data.

# Overall Workshop Conclusions

- There is confidence that NAM data can reliably predict skin sensitizer potency (for fragrance materials)
- Based on the above there is trust that this can be used to develop risk assessments without recourse to animal data
- Future work should focus on how best to translate the use of NAM-derived potency measurements into effective risk assessments (there may be more than one approach)
- The above will likely include further consideration of uncertainty and related adjustment factors
- In order to build confidence in a NAMs based QRA, case studies on maximum acceptable concentrations of fragrance ingredients in consumer products will need to be developed and reviewed.