

Geranyl nitrile

CAS-No.:	5146-66-7 5585-39-7 31983-27-4	Molecular formula:	C ₁₀ H ₁₅ N
	The scope of this Standard includes, but is not limited to the CAS number(s) indicated above; any other CAS number(s) used to identify this fragrance ingredient should be considered in scope as well.	Structure:	
Synonyms:	(2E)-3,7-dimethylocta-2,6-dienitrile 3,7-Dimethyl-2,6-octadienenitrile Geranonitrile (isomer unspecified) 2,6-Octadienenitrile, 3,7-dimethyl- Citranile (commercial name) Citralva (commercial name) Geranitrile (commercial name)		

History:	Publication date:	2008 (Amendment 43)	Previous Publications:	2006
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Implementation dates:	For new submissions*:	Not applicable.
	For existing fragrance compounds*:	Not applicable.
*These dates apply to the supply of fragrance mixtures (formulas) only, not to the finished consumer products in the marketplace.		

RECOMMENDATION:	PROHIBITION
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FRAGRANCE INGREDIENT PROHIBITION:	Geranyl nitrile should not be used as a fragrance ingredient.
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CONTRIBUTIONS FROM OTHER SOURCES:	NONE TO CONSIDER (SEE ALSO THE
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Geranyl nitrile

SECTION ON CONTRIBUTIONS FROM OTHER SOURCES IN CHAPTER 1 OF THE GUIDANCE FOR THE USE OF IFRA STANDARDS)

INTRINSIC PROPERTY DRIVING RISK MANAGEMENT: GENOTOXICITY

EXPERT PANEL FOR FRAGRANCE SAFETY RATIONALE / CONCLUSION:

The material has been reviewed by the Expert Panel for Fragrance Safety with the conclusion that it should not be used as a fragrance ingredient, or in fragrance ingredients above unavoidable trace levels until additional data is available and considered sufficient to support the safe use of these ingredients.

REFERENCES:

The IFRA Standard on Geranyl nitrile is based on at least one of the following publications:

- The RIFM Safety Assessment on Geranyl nitrile if available at the RIFM Safety Assessment Sheet Database: <http://fragrancematerialsafetyresource.elsevier.com>
- Api A.M., Belsito D., Bruze M., Cadby P., Calow P., Dagli M. L., Dekant W., Dent M., Ellis G., Fryer A. D., Fukayama M., Griem P., Hickey C., Kromidas L., Lalko J., Liebler D.C., Miyachi Y., Politano V.T., Renskers K., Ritacco G., Salvito D., Schultz T.W., Sipes I. G., Smith B., Vitale D., Wilcox D.K. (2015). Criteria for the Research Institute for Fragrance Materials, Inc. (RIFM) safety evaluation process for fragrance ingredients. *Food Chem Toxicol.* 2015 Aug;82 Suppl:S1-S19 (http://fragrancematerialsafetyresource.elsevier.com/sites/default/files/Criteria_Document_Final.pdf).
- IDEA project (International Dialogue for the Evaluation of Allergens) Final Report on the QRA2: Skin Sensitisation Quantitative Risk Assessment for Fragrance Ingredients, September 30, 2016 (<http://www.ideaproject.info/uploads/Modules/Documents/qra2-dossier-final--september-2016.pdf>).
- Salvito D.T., Senna R. J., Federle T.W. (2002). A framework for prioritizing fragrance materials for aquatic risk assessment. *Environ Toxicol Chem.* 2002;21:1301-1308 (<https://www.ncbi.nlm.nih.gov/pubmed/12069318>).

Additional information on the application of IFRA Standards is available in the Guidance for the use of IFRA Standards, publicly available at www.ifrafragrance.org.