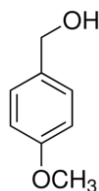


Anisyl alcohol

CAS N°:	105-13-5 1331-81-3	Empirical formula: Structure:	C ₈ H ₁₀ O ₂ 
Synonyms:	Anisalcohol Anise alcohol Anisic alcohol Benzyl alcohol, p-methoxy p-Methoxybenzyl alcohol		

History:	Initial reviews:	May 2007	
	Current revision date:	2015	
	Implementation date:	For new submissions*:	August 10, 2015
		For existing fragrance compounds*:	August 10, 2016
	Next review date	2020	

* This date applies to the supply of fragrance compounds (formulas) only, not to the finished products in the marketplace.

RECOMMENDATION:

RESTRICTED

RESTRICTIONS:

Limits in the finished product:			
Category 1	0.04 %	Category 7	0.11 %
Category 2	0.06 %	Category 8	1.52 %
Category 3	0.23 %	Category 9	5.00 %
Category 4	0.68 %	Category 10	2.50 %
Category 5	0.36 %	Category 11	See Note box (2)
Category 6 See Note box (1)	1.09 %		
Note box:			
(1) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavor Industry - www.iofi.org).			
(2) Category 11 includes all non-skin contact or incidental skin contact products. Due to the negligible skin contact from these types of products there is no justification for a restriction of the concentration of this fragrance ingredient in the finished product.			
Fragrance material specifications:	N/A		

CONTRIBUTION FROM OTHER SOURCES:

None to consider (see also the note on contributions from other sources in the **Introduction to the IFRA Standards**).

Anisyl alcohol

CRITICAL EFFECT:

DERMAL SENSITIZATION

RIFM SUMMARIES:

Anisyl alcohol - Sensitization Potency Estimation Based on Weight of Evidence

LLNA weighted mean EC3 values ($\mu\text{g}/\text{cm}^2$) [no. studies]	Potency Classification ²	Human Data			WoE NESIL ³ ($\mu\text{g}/\text{cm}^2$)
		NOEL – HRIPT (induction) ($\mu\text{g}/\text{cm}^2$)	NOEL – MAX (induction) ($\mu\text{g}/\text{cm}^2$)	LOEL ¹ (induction) ($\mu\text{g}/\text{cm}^2$)	
1475 [1]	Weak	NA	3448	NA	1500

All data in this Table are available from RIFM and are listed in the RIFM Database.

NOEL = No Observed Effect Level; HRIPT = Human Repeat Insult Patch Test; MAX = Human Maximization Test;

LOEL = Lowest Observed Effect Level; NA = Not Available

¹Data derived from HRIPT or Human Max tests

²Gerberick *et al.*, 2001

³WoE NESIL limited to two significant figures

REXPAN RATIONALE / CONCLUSION:

The RIFM Expert Panel reviewed the critical effect data for Anisyl alcohol and, based on the weight of evidence, established the No Expected Sensitization Induction Level (NESIL) as 1500 $\mu\text{g}/\text{cm}^2$. They recommend the limits for the 11 different product categories, which are the acceptable use levels of Anisyl alcohol in the various product categories. These were derived from the application of the exposure-based quantitative risk assessment approach for fragrance ingredients, which is detailed in the QRA Expert Group Technical Dossier of June 22, 2006.

REFERENCES:

Gerberick, GF. et. al. (2001) Contact allergenic potency: Correlation of human and local lymph node assay data. *American Journal of Contact Dermatitis*, 12(3), 156-161

QRA Expert Group (AM Api, DA Basketter, PA Cadby, M-F Cano, G Ellis, GF Gerberick, P Griem, PM McNamee, CA Ryan and R Safford), Dermal Sensitization Quantitative Risk Assessment (QRA) for Fragrance Ingredients, Technical Dossier, March 15, 2006, <http://www.rifm.org/pub/publications.asp>.

RIFM (Research Institute for Fragrance Materials, Inc.), 1971. Maximization Test on Anisyl Alcohol. RIFM report number 1805, May 24. (RIFM, Woodcliff Lake, NJ, USA).

RIFM (Research Institute for Fragrance Materials, Inc.), 2005. Local Lymph Node Assay on Anisyl Alcohol. RIFM report number 48750, January 28. (RIFM, Woodcliff Lake, NJ, USA).