

Massoia lactone

CAS N°:	54814-64-1	Empirical formula:	C ₁₀ H ₁₆ O ₂
	51154-96-2		Structure:
Synonyms:	2-Decen-1,5-lactone (-)-2-Decenoic acid, 5-hydroxy, δ-lactone (R)-5,6-Dihydro-6-pentyl-2H-pyran-2-one 5,6-Dihydro-6-pentyl-2H-pyran-2-one 5-Hydroxy-2-decenoic acid δ-lactone 2H-Pyran-2-one, 5,6-dihydro-6-pentyl-, (R)- Massoi lactone		

History:	Initial reviews:	2008		
	Current revision date:	2015		
	Implementation date:	For new submissions*:	August 10, 2015	
		For existing fragrance compounds*:	August 10, 2016	
	Next review date	Not applicable		

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

RECOMMENDATION:	PROHIBITED
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RESTRICTIONS:

Limits in the finished product:			
<u>Skin contact products:</u>			
Leave-on products:	N/A	Rinse-off products:	N/A
		<i>Including household cleaning products</i>	
<u>Non-skin contact products:</u>	N/A		
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**).

CRITICAL EFFECT:	INSUFFICIENT DATA
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Massoia lactone**REXPAN RATIONALE / CONCLUSION:**

The material has been reviewed by the RIFM Expert Panel with the conclusion that it should not be used as or in fragrance ingredients until additional data is available and considered sufficient to support its safe use.

This conclusion is based on:

- 1) presence of structural alerts as defined in Api *et al.* (2014) and/or
- 2) adverse data on the material itself and/or
- 3) adverse data for a structurally related material.

REFERENCES:

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. (2014). Food and Chemical Toxicology, <http://dx.doi.org/10.1016/j.fct.2014.11.014>.