# Massoia lactone

| CAS-No.: | 54814-64-1  
|          | 51154-96-2  
| Molecular formula: | C\textsubscript{10}H\textsubscript{16}O\textsubscript{2}  
| Structure: |  
| Synonyms: | 2-Decen-1,5-lactone  
| | (-)-2-Decenoic acid, 5-hydroxy, \( \delta \)-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 \( \delta \)-lactone  
| | 2H-Pyran-2-one, 5,6-dihydro-6-pentyl-, (R)-Massoi lactone  

| History: | Publication date: | 2015 (Amendment 48)  
| Previous Publications: | 2008  

| Implementation dates: | For new submissions*: | August 10, 2015  
| | For existing fragrance compounds*: | August 10, 2016  
| | *These dates apply to the supply of fragrance mixtures (formulas) only, not to the finished consumer products in the marketplace.  

**RECOMMENDATION:** PROHIBITION

**FRAGRANCE INGREDIENT PROHIBITION:** Massoia lactone should not be used as a fragrance ingredient.

**CONTRIBUTIONS FROM OTHER SOURCES:** NONE TO CONSIDER (SEE ALSO THE SECTION ON CONTRIBUTIONS FROM)
Massoia lactone

INSTRINSIC PROPERTY DRIVING RISK MANAGEMENT:

DERMAL SENSITIZATION

EXPERT PANEL FOR FRAGRANCE SAFETY RATIONALE / CONCLUSION:

The Expert Panel for Fragrance Safety reviewed all the available data for Massoia lactone and recommends not to use Massoia lactone as or in fragrance ingredients in any finished product application.

REFERENCES:

The IFRA Standard on Massoia lactone is based on at least one of the following publications:

- The RIFM Safety Assessment on Massoia lactone if available at the RIFM Safety Assessment Sheet Database: http://fragrancematerialsafetyresource.elsevier.com


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.