**Musk ambrette**

|CAS-No.:| 83-66-9  
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. | Molecular formula:| $\text{C}_{12}\text{H}_{16}\text{N}_{2}\text{O}_{5}$ |
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<td>Structure:</td>
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**Synonyms:** Benzene, 1-(1,1-dimethylethyl)-2-methoxy-4-methyl-3,5-dinitro-1-tert-Butyl-2-methoxy-4-methyl-3,5-dinitrobenzene  
4-tert-Butyl-3-methoxy-2,6-dinitrotoluene  
6-tert-Butyl-3-methyl-2,4-dinitroanisole  
1-(1,1-Dimethylethyl)-2-methoxy-4-methyl-3,5-dinitrobenzene  
2,6-Dinitro-3-methoxy-1-methyl-4-tert-butylbenzene  
2,6-Dinitro-3-methoxy-4-tert-butytoluene  
2,4-Dinitro-3-methyl-6-tert-butylanisole  

**History:**  
Publication date: 2006 (Amendment 40)  
Previous Publications: 1981  
1994  
1995  
2002  

**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

**FRAGRANCE INGREDIENT PROHIBITION:** Musk ambrette should not be used as a fragrance ingredient.

**CONTRIBUTIONS FROM OTHER SOURCES:** NONE TO CONSIDER (SEE ALSO THE
# Musk ambrette

## Intrinsic Property Driving Risk Management:

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<tr>
<th>Property</th>
<th>Risk Management</th>
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<tr>
<td>Photocatalitis</td>
<td>Neurotoxicity</td>
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## Expert Panel for Fragrance Safety Rationale / Conclusion:

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

## References:

The IFRA Standard on Musk ambrette is based on at least one of the following publications:

- The RIFM Safety Assessment on Musk ambrette is available at the RIFM Safety Assessment Sheet Database: [http://fragrancematerialsafetyresource.elsevier.com/](http://fragrancematerialsafetyresource.elsevier.com/).


Musk ambrette

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.