# Musk xylene

| **CAS-No.:** | 81-15-2  
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:** | C_{12}H_{15}N_{3}O_{6} |
| **Structure:** | ![Structure Image] |
| **Synonyms:** | 2,4,6-Trinitro-1,3-methyl-5-tert-butylbenzene  
1-tert-Butyl-3,5-dimethyl-2,4,6-trinitrobenzene  
Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro-  
Musk xylol |

## History:

| **Publication date:** | 2009 (Amendment 44) |
| **Previous Publications:** | Not applicable. |

## Implementation dates:

- **For new submissions***: August 7, 2009
- **For existing fragrance compounds***: August 7, 2010

*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 xylene should not be used as a fragrance ingredient.

Musk xylene can be present in Musk ketone as an impurity. Please refer to the IFRA Specification Standard on Musk ketone.

## CONTRIBUTIONS FROM OTHER SOURCES:

NONE TO CONSIDER (SEE ALSO THE...
Musk xylene

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

INTRINSIC PROPERTY DRIVING RISK MANAGEMENT: VPVB

EXPERT PANEL FOR FRAGRANCE SAFETY RATIONALE / CONCLUSION:

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

REFERENCES:

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

• The RIFM Safety Assessment on Musk xylene is available at the RIFM Safety Assessment Sheet Database: http://fragrancematerialsafetyresource.elsevier.com/.


Musk xylene


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.