MUSK XYLENE

CAS Nº: 81-15-2 **Empirical formula:** $C_{12}H_{15}N_3O_6$

Synonyms: Acetophenone, 3,5-dinitro-2,6-dimethyl-4-*tert*-butyl-
5-tert-butyl-2,4,6-trinitro-m-xylene
1-(4-*tert*-Butyl-2,6-dimethyl-3,5-dinitrophenyl)ethanone
1-[4-(1,1-Dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]ethanone
3,5-Dinitro-2,6-dimethyl-4-*tert*-butylacetophenone
Musk Xylol

History: Initial reviews: New Standard

Current revision date: 2009

Implementation date: for new submissions*: August 7, 2009

for existing fragrance compounds*: August 7, 2010

Next review date: N/A

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

Standard: **PROHIBITED**

RESTRICTIONS:

Risk Management Measures: N/A
Note box:
Fragrance material specification: 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: **vPvB**

MUSK XYLENE

REXPAN Rationale / Conclusion:

Ongoing research on the fragrance ingredient musk xylene has provided evidence over time that it fulfills the criteria for being classified vPvB (Environmental half-life >180 days; BCF>5000).

Musk Xylene, as of October 8, 2008, has been identified by the European Chemicals Bureau as a material requiring authorization under REACH due to its properties as a vPvB

Based on its potential detrimental environmental impact the REXPAN has concluded that the material should not be used as a fragrance ingredient.

References:

PBT draft Addendum to the final report (2005) of the Risk Assessment (PBT assessment), January 2008 (the Netherlands National Institute for Public health and Environment, RIVM).

ECHA (European Chemicals Agency, , Member State Committee, Substances of Very High Concern support document for identification of 5-tert-butyl-2,4,6-trinitro-m-xylene, Adopted on October 8, 2008
(http://echa.europa.eu/doc/candidate_list/svhc_supdoc_muskxylene_publication.pdf.)