

Musk ketone

CAS N°:	81-14-1	Empirical formula:	C ₁₄ H ₁₈ N ₂ O ₅
Structure:			
Synonyms:	4'- <i>tert</i> -butyl-2',6'-dimethyl-3',5'-dinitroacetophenone 3,5-dinitro-2,6-dimethyl-4- <i>tert</i> -butyl-acetophenone 3,5-Dinitro-2,6-dimethyl-4- <i>tert</i> -butylacetophenone 1-(4- <i>tert</i> -Butyl-2,6-dimethyl-3,5-dinitrophenyl) ethanone 1-[4-(1,1-Dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]ethanone Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]-		

History:	Initial reviews:	New Standard		
	Current revision date:	June 11, 2010		
	Implementation date:	For new submissions*:	June 11, 2012	
		For existing fragrance compounds*:	June 11, 2012	
	Next review date	2015		

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

RECOMMENDATION:
SPECIFICATION
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>	
Non skin contact products:	N/A		
Note box:			
Musk xylene (CAS 81-15-2), which has been prohibited for use in fragrance compounds for environmental reasons (vPvB), can be present in musk ketone as an impurity.			
Fragrance material specifications:		Musk ketone should only be used if it contains less than 0.1% of musk xylene.	

CONTRIBUTION FROM OTHER SOURCES:

N/A

Musk ketone**CRITICAL EFFECT:****SEE NOTE BOX****REXPAN RATIONALE / CONCLUSION:**

IFRA policy on purity of musk ketone noted – REXPAN, February 2010.

REFERENCES:

See Standard on musk xylene.