

**Musk tibetene (1-tert-Butyl-2,6-dinitro-3,4,5-trimethylbenzene)**

<b>CAS-No.:</b>	145-39-1	<b>Empirical formula:</b>	C13H18N2O4
<b>Structure:</b>			
<b>Synonyms:</b>	Benzene, 1-(1,1-dimethylethyl)-3,4,5-trimethyl-2,6-dinitro-		

<b>History:</b>	Initial reviews:	39th Amendment		
	Current revision date:	Not applicable		
	Implementation dates:	For new submissions*:	Not applicable	
		For existing fragrance compounds*:	Not applicable	
	Next review date	Not applicable		

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

<b>RECOMMENDATION:</b>	<b>PROHIBITED</b>
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**RESTRICTIONS:**

<b>Limits in the finished product:</b>			
<b>Skin contact products:</b>			
Leave on products:	N/A	Rinse-off products::	N/A
		<i>Including household cleaning products</i>	
<b>Non skin contact products:</b>	N/A		
<b>Note box:</b>			
The material had been on the list of 'other materials' before, which for reasons of a unified Standard format for prohibited materials was disbanded.			
<b>Fragrance material specifications:</b>	N/A		

**Musk tibetene (1-tert-Butyl-2,6-dinitro-3,4,5-trimethylbenzene)****CONTRIBUTION FROM OTHER SOURCES:**

N/A

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

The material has been reviewed by the RIFM Expert Panel with the conclusion that it should not be used as or in fragrance ingredients until additional data is available and considered sufficient to support its safe use.

This conclusion is based on:

- 1) presence of structural alerts as defined in the Human Health Criteria Document (Ford et al., 2000) and/or
- 2) adverse data on the material itself and/or
- 3) adverse data for a structurally related material

**REFERENCES:**

Human Health Criteria Document, Reg. Tox & Pharm., 31, 166-181, 2000