

**p - t - B u t y l - a l p h a -
m e t h y l h y d r o c i n n a m i c a l d e h y d e
(B M H C A)**

CAS N°: 80-54-6

Empirical formula: C₁₄H₂₀O
(CH₃)₃C-C₆H₄-CH₂-CH(CH₃)-CHO

Synonyms: Butylphenyl methylpropional (INCI)
Benzenepropanal, 4-(1,1-dimethyl)-.α.-methyl
p-t-Bucinal
2-(4-tert-Butylbenzyl) propionaldehyde
Lilestralis, Lilial, Lysmeral

History: Initial reviews: **New Standard**

Current revision date: Not applicable

Implementation date: for new submissions*: April 24, 2003
for existing fragrance compounds*: April 24, 2004

Next review date: September 2007

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

STANDARD: **RESTRICTED**

Limits in the finished product:

Skin contact products:	Non skin contact products: 25%
Leave-on products: 2.5%	Purity: Not applicable
Rinse-off products: 2.5% <i>including household cleaning products</i>	Others: Not applicable
Note box:	

Contribution from other sources: None known

Critical effect: **Sensitization**

REXPAN Rationale / Conclusion:

The sensitisation data for BMHCA were reviewed by the RIFM Expert Panel. They concluded that the weight of evidence show that the NOEL for sensitisation was in the region of 25% (29,527 µg/cm²). These data support a maximum dermal skin level of 2.5%.