

**BENZYLIDENE ACETONE
(4 - PHENYL - 3 - BUTEN - 2 - ONE)**

CAS N°: 122-57-6

Empirical formula: C₁₀H₁₀O
C₆H₅-CH=CH-CO-CH₃

Synonyms: 3-Buten-2-one, 4-phenyl-
Benzilideneacetone
Methyl styryl ketone

History: Initial reviews: June 1974

Current revision date: September 2002

Implementation date: 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.

STANDARD: PROHIBITED – Should not be used as a fragrance ingredient.

RESTRICTIONS:

Limits in the finished product:

Skin-contact products:

Leave-on products: Not applicable Rinse-off products: Not applicable
including household cleaning products

Non skin-contact products: Not applicable

Note box:

Fragrance material specification: Not applicable

Contribution from other sources: None to consider (see also the note on contributions from other sources in the Introduction to the IFRA Standards)

**BENZYLIDENE ACETONE
(4 - P H E N Y L - 3 - B U T E N - 2 - O N E)**

Critical effect: **Sensitization**

Rexpan Rationale / Conclusion:

IFRA ban noted – REXPAN, September 2002.

References:

Opdyke, D.L.J. (1973), Food and Chemical Toxicology 11, 1021.

Private communication to IFRA.
