

**PSEUDOMETHYLIONONE  
(7,11-DIMETHYL-4,6,10-DODECATRIEN-3-ONE)**

**CAS N°:** 26651-96-7

**Empirical formula:** C<sub>14</sub>H<sub>22</sub>O  
CH<sub>3</sub>-CH<sub>2</sub>-CO-CH=CH-CH=  
C(CH<sub>3</sub>)-CH<sub>2</sub>-CH<sub>2</sub>-CH=C(CH<sub>3</sub>)-CH<sub>3</sub>

**Synonyms:** 2,6-Dimethyldodeca-2,6,8-trien-10-one  
4,6,10-Dodecatrien-3-one, 7,11-dimethyl-

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**History:** Initial reviews: February 1979, October 1979, April 1989

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.

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**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

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**Note box:** Pseudomethylionone should not be used as fragrance ingredient as such, but a level of up to 2% as an impurity in methylionones is accepted.

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**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)

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ONE)**

**Critical effect:**      **Sensitization**

**Rexpan Rationale / Conclusion:**

IFRA ban noted – REXPAN, September 2002.

**References:**

Opdyke, D.L.J. (1975), Food and Cosmetics Toxicology 13, 863.

Ford R.A. et al. (1988), Food and Chemical Toxicology 26, 305 and 413.

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