## 2-Pentyldene cyclohexanone

<table>
<thead>
<tr>
<th>CAS-No.:</th>
<th>25677-40-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular formula:</td>
<td>C$<em>{11}$H$</em>{18}$O</td>
</tr>
<tr>
<td>Structure:</td>
<td>[Image]</td>
</tr>
<tr>
<td>Synonyms:</td>
<td>Cyclohexanone, 2-pentyldene-</td>
</tr>
</tbody>
</table>

**History:**
- **Publication date:** 2006 (Amendment 40)
- **Previous Publications:** 1979, 1983, 2002

**Implementation dates:**
- **For new submissions***: Not applicable.
- **For existing fragrance compounds***: Not applicable.

*These dates apply to the supply of fragrance mixtures (formulas) only, not to the finished consumer products in the marketplace.

**RECOMMENDATION:** PROHIBITION

**FRAGRANCE INGREDIENT PROHIBITION:**
- 2-Pentyldene cyclohexanone should not be used as a fragrance ingredient.

**CONTRIBUTIONS FROM OTHER SOURCES:** NONE TO CONSIDER (SEE ALSO THE SECTION ON CONTRIBUTIONS FROM OTHER SOURCES IN CHAPTER 1 OF THE GUIDANCE FOR THE USE OF IFRA STANDARDS)
2-Pentylidene cyclohexanone

**INTRINSIC PROPERTY DRIVING RISK MANAGEMENT:**

**DERMAL SENSITIZATION**

**EXPERT PANEL FOR FRAGRANCE SAFETY RATIONALE / CONCLUSION:**

The Expert Panel for Fragrance Safety reviewed all the available data for 2-Pentylidene cyclohexanone and recommends not to use 2-Pentylidene cyclohexanone as or in fragrance ingredients in any finished product application.

**REFERENCES:**

The IFRA Standard on 2-Pentylidene cyclohexanone is based on at least one of the following publications:

- The RIFM Safety Assessment on 2-Pentylidene cyclohexanone is available at the RIFM Safety Assessment Sheet Database: http://fragrancematerialsafetyresource.elsevier.com/.


Additional information on the application of IFRA Standards is available in the Guidance for the use of IFRA Standards, publicly available at www.ifrafragrance.org.