**APPLICATION INFORMATION**

Widely used in all types of fragrances like fresh-fruity, floral to woody amber. Gives body and velvety richness.

**CHEMICAL STRUCTURE**

$1-(1,2,3,4,5,6,7,8$-Octahydro-$2,3,8,8$-tetramethyl-$2$-naphthyl)ethan-$1$-one (and isomers)

$$\text{Chemical formula} \; C_{16}H_{26}O$$

**SYNONYM**

- 

**TENACITY ON BLOTTER**

<table>
<thead>
<tr>
<th>HOURS</th>
<th>DAYS</th>
<th>WEEKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 24</td>
<td>00</td>
<td>00</td>
</tr>
</tbody>
</table>

**BLOOM DIFFUSIVITY**

- Poor
- Fair
- Good
- Very

**TYPICAL USE LEVEL**

<table>
<thead>
<tr>
<th>0%</th>
<th>1%</th>
<th>2%</th>
<th>3%</th>
<th>4%</th>
<th>5%</th>
<th>10%</th>
<th>15%</th>
<th>&lt;25%</th>
<th>30%</th>
</tr>
</thead>
</table>

**OCURRENCE IN NATURE**

Not found in nature.

**TYPICAL PHYSICAL PROPERTIES**

- Flash Point °C: 148 °C
- $[\alpha]_D$ minimum:
- GC: 90% min. sum isomers
  Stabilized with 0.1% BHT
- Appearance: Pale yellow liquid
- M.W.: 234.38
- FEMA / GRAS No.:
- Food Grade Cert.:
- $\text{CLogP}$: 5.18
- Vapor Pressure: 0.147 Pa at 25°C

**SUBSTANTIY**

- Skin
- Dry Fabric
- Wet Fabric
- Hair

**PROPERTIES**

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>POOR</th>
<th>FAIR</th>
<th>GOOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypochlorite bleach</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perborate Powder Detergent</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liquid Detergent</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concentrated Fabric Softeners</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soaps</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcoholic fine fragrances</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toiletry Applications</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antiperspirants</td>
<td>•</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CHEMICAL FORMULA**

$$1-(1,2,3,4,5,6,7,8$-Octahydro-$2,3,8,8$-tetramethyl-$2$-naphthyl)ethan-$1$-one (and isomers)