

# HINDUSTAN POLYAMIDES AND FIBRES LTD.

1004, Peninsula towers, 10<sup>th</sup> Floor, Peninsula Corporate Park,  
G K marg, Lower Parel(W), Mumbai-400013,  
Ph: 91-22-66513400 Fax: 91-22-66513435 email: [sales@hpfl-india.com](mailto:sales@hpfl-india.com)

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## PRODUCT SPECIFICATION

<b>Product</b>	: <b>HAMBER</b>		
<b>Chemical Name</b>	: 7-Acetyl, 1,2,3,4,5,6,7,8-Octahydro, 1,1,6,7-tetra Methyl Naphthalene		
<b>Synonyms</b>	: Boisvelone OR Orbitone OR Iso Velvetone OR Iso-E-Super OR Patchouli Ethanone OR 1,2,3,4,5,6,7,8-Octahydro, 2,3,8,8-Tetramethyl, 2-Naphthyl Ethanone OR Iso Abmer Super OR Amber fleur OR Anthamber		
<b>Formula</b>	: C <sub>16</sub> H <sub>26</sub> O	<b>Molecular weight</b>	: 234.4
<b>CAS Number</b>	: 54464-57-2	<b>EINECS/ELINCS No.</b>	: 259-174-3
<b>HS Code</b>	: 2914.29.00	<b>Flash point</b>	: 111°C
<b>Odour</b>	: Woody, Floral, Ambergris		
<b>Tenacity</b>	: Good Tenacity		
<b>Intended use</b>	: Perfumery		
<b>Uses Level</b>	: Restricted by IFRA (see on next page)		

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## ANALYTICAL SPECIFICATION

<i>Appearance</i>	: Clear colorless to pale yellow liquid
<i>Olfactory</i>	: To match standard
<i>Specific Gravity</i>	: 0.9580-0.9680 at 25/25°C
<i>Refractive Index</i>	: 1.4950-1.5000 at 25°C
<i>Purity (By GC)</i>	: 90.0% min (Σ of Isomers)

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## OTHER INFORMATIONS

<b>Packaging type</b>	: Epoxy line MS / HMHDPE drums, IBC, ISO tanker (SS316).
<b>Storage</b>	: Store in tightly closed containers, in a cool dry place, protected from sunlight.
<b>Shelf Life</b>	: 2 Year
<b>Additives</b>	: No additives added

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## PRODUCT SPECIFICATION

43rd Amendment

IFRA STANDARD

### **OTNE (1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone)**

**CAS N°:** 54464-57-2

**Empirical formula:** C<sub>16</sub>H<sub>26</sub>O

**Synonyms:** 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)  
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone  
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one  
Amberonne  
Boisvelone  
Isocyclemone E  
Iso E super

**History:** Initial reviews: New Standard  
Current revision date: 2008  
Implementation date: For new submissions\*: August 16, 2008  
For existing fragrance compounds\*: August 16, 2010  
Next review date: 2013

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

**Standard:** RESTRICTED

### **RESTRICTIONS:**

<b>Limits in the finished product:</b>	
For a description of the categories, refer to the QRA Informational Booklet.	
Category 1: See Note box (1)	1.34 %
Category 2:	1.73 %
Category 3:	7.1 %
Category 4:	21.4 %
Category 5:	11.2 %
Category 6: See Note box (1)	34.2 %
Category 7:	3.6 %
Category 8:	2 %
Category 9:	5 %
Category 10:	2.5 %
Category 11: Not Restricted (2)	

**Note box:**

(1) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavor Industry) <http://www.iofiorg.org>

(2) Category 11 includes all non-skin contact or incidental skin contact products. Due to the negligible skin contact from these types of products there is no justification for a restriction of the concentration of this fragrance ingredient in the finished product.

**Fragrance material specification:** N/A