



Safety Data Sheet  
according to 29 CFR 1910.1200

1788400

 Reviewed on: 24/04/17  
 Printing date: 24/04/2017

**PRODUCT : AMBERGRIS ARTESSENCE**

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### 03 Composition/information on ingredients

#### 3.2 Chemical characterization: Mixtures

- Description:  
Mixture

- Dangerous components:

<b>CAS Number</b>		<b>%</b>
<b>54464-57-2</b>	<b>orbitone</b> <i>EINECS Number: 259-174-3</i>	<b>20,01- 50,00</b>
<b>64-17-5</b>	<b>Ethanol</b> <i>EINECS Number: 200-578-6</i>	<b>5,01- 10,00</b>
<b>41199-19-3</b>	<b>AMBRINOL S</b> <i>EINECS Number: 255-256-8</i>	<b>1,01- 5,00</b>
<b>80-56-8</b>	<b>pin-2(3)-ene (alpha pinene)</b> <i>EINECS Number: 201-291-9</i>	<b>1,01- 5,00</b>

### 04 First-aid measures

- General information:  
Seek immediate medical advice.
- After inhalation:  
Supply fresh air and to be sure call for a doctor.
- After skin contact:  
If skin irritation continues, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:  
Seek immediate medical advice.

### 05 Fire-fighting measures

- Suitable extinguishing agents:  
CO2, sand, extinguishing powder. Do not use water.  
Use fire fighting measures that suit the environment.
  - For safety reasons unsuitable extinguishing agents:  
Water with full jet
- 5.2 Special hazards arising from the substance or mixture  
No further relevant information available.
- Protective equipment:  
Do not inhale explosion gases or combustion gases.
  - Additional information  
Cool endangered receptacles with water spray.

### 06 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources
- 6.3 Methods and material for containment and cleaning up:  
Dispose of the collected material according to regulations.
- 6.4 Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

USA

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### 07 Handling and storage

- Handling:
  - 7.1 Precautions for safe handling
    - Store in cool, dry place in tightly closed receptacles.
    - Keep away from heat and direct sunlight.
    - Ensure good ventilation/exhaustion at the workplace.
    - Handle with care. Avoid jolting, friction and impact.
  - Information about protection against explosions and fires:
    - Keep ignition sources away - Do not smoke.
    - Protect against electrostatic charges.
  - Storage:
    - Requirements to be met by storerooms and receptacles:
      - Store in a cool location.
      - Prevent any seepage into the ground.
    - Further information about storage conditions:
      - Store in cool, dry conditions in well sealed receptacles.
      - Protect from heat and direct sunlight.
      - Store receptacle in a well ventilated area.
  - 7.3 Specific end use(s)
    - No further relevant information available.

### 08 Exposure controls/personal protection

- Components with limit values that require monitoring at the workplace:
 

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

CAS No.	Designation of material	%	Type	Value	Unit
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.					
- Additional information:
 

The lists that were valid during the creation were used as basis.
- Personal protective equipment:
  - General protective and hygienic measures:
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing.
    - Avoid contact with the skin.
  - Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
  - Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
 

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Penetration time of glove material
 

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

### 09 Physical and chemical properties

**General Information**
**Appearance:**

<b>Form:</b>	fluid
<b>Color:</b>	yellow
<b>Odor:</b>	amber
<b>Odour threshold:</b>	Not determined.

**Change in condition**

<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	> 100 °C NFT 60-103 CC
<b>Flammability (solid, gaseous):</b>	Undetermined.

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<b>Auto igniting:</b>	Undetermined.
<b>Danger of explosion:</b>	Undetermined.
<b>Vapor pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Relative density</b>	0,9950 1,0100 (D20/20)
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not determined.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:  
Undetermined.
- Incompatible materials:  
No further relevant information available.
- Hazardous decomposition products:  
Undetermined.

### 11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:

**ISO LD/LC**
**64-17-5 Ethanol**

 Oral, LD50: 7060 mg/kg (rat)  
 Inhalative, LC50/4h: 20000 mg/l (rat)

**41199-19-3 AMBRINOL S**

 Oral, LD50: >2000 mg/kg (rat) (OCDE Ligne directrice 401)  
 Dermal, LD50: >2000 mg/kg (rat) (OCDE)

- Primary irritant effect:
- on the skin:  
Irritant to skin and mucous membranes.
- on the eye:  
No irritating effect.
- Sensitization:  
Sensitization possible through skin contact.
- Subacute to chronic toxicity:  
Undetermined.
- Additional toxicological information:  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant
- Carcinogenic categories
- IARC (International Agency for Research on Cancer)  
None of the ingredients is listed.
- NTP (National Toxicology Program)  
None of the ingredients is listed.

### 12 Ecological information

- Aquatic toxicity:  
No further relevant information available.
- Persistence and degradability  
Not determined.
- Behavior in environmental systems:  
Not determined.
- Bioaccumulative potential

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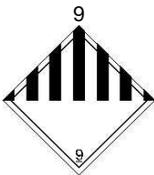
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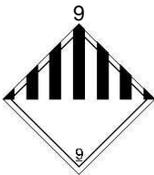
- No further relevant information available.
- Ecotoxicological effects:  
Not determined.
- Additional ecological information:
- General notes:  
Do not allow product to reach ground water, water course or sewage system.  
Very toxic for aquatic organisms  
Danger to drinking water if even extremely small quantities leak into the ground.  
The product contains materials that are harmful to the environment.

### 13 Disposal considerations

- Waste treatment methods
- Recommendation:  
Must be specially treated adhering to official regulations.
- Uncleaned packagings:
- Recommendation:  
Disposal must be made according to official regulations.

### 14 Transport information

- UN-Number  
**DOT** UN3082  
**ADR** UN3082  
**IMDG** UN3082  
**IATA** UN3082
- UN proper shipping name  
**DOT** ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (METHYL CYCLOMYRCETONE)  
**ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (METHYL CYCLOMYRCETONE)  
**IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYL CYCLOMYRCETONE)  
**IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (METHYL CYCLOMYRCETONE)
- Transport hazard class(es)  
**DOT**  
**Class** 9 Miscellaneous dangerous substances and articles  
**Label**  


- ADR**  
**Class** 9 (M6) Miscellaneous dangerous substances and articles  
**Label**  


- IMDG**  
**Class** 9 Miscellaneous dangerous substances and articles

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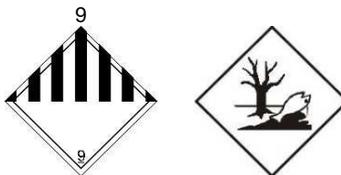
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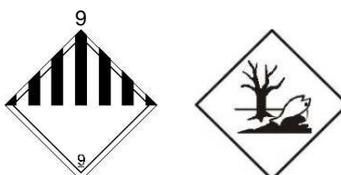
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**Label**

**IATA**
**Class**

9 Miscellaneous dangerous substances and articles

**Label**


- Packing group

**DOT** III

**ADR** III

**IMDG** III

**IATA** III

- Environmental hazards:

**Marine pollutant:** Yes

- Special precautions for user

Warning: Miscellaneous dangerous substances and articles

**Danger code (Kemler):** 90

**EMS Number:** F-A,S-F

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Not applicable.

- Transport/Additional information:  
Not applicable.

**DOT**
**Quantity limitations** On passenger aircraft/rail: No limit On cargo aircraft only: No limit

**IMDG**
**Limited quantities (LQ)** 5L

**Excepted quantities (EQ)** E1

- UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (METHYL CYCLOMYRCETONE), 9, III

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture  
Non-mandatory

## 16 Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with US regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

- Relevant phrases

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

- **Training hints**  
Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.
- **Date of preparation / last revision**  
24.04.2017
- **Abbreviations and acronyms:**  
IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent
- **Sources**  
IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
- \* Data compared to the previous version altered.