

## Material Safety Data Sheet (2001/58/EC)

### **1. Identification of the substance/preparation and of the company**

- Date of issue: Jan. 7, 2013
- Product name: 1097 Hexyl alcohol Natural
- Recommended use: Flavorings
- Manufacturer: Advanced Biotech, Totowa, NJ 07512
- Emergency telephone no.: Info trac: 1-800-535-5053  
International# 1-352-323-3500

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### **2. Composition/information on ingredients**

- Chemical identity: n-Hexyl alcohol
- Molecular formula:  $C_6H_{14}O$
- CAS No.: 111-27-3
- EC No.: 203-852-3
- EC-Index-No.: 603-059-00-6

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### **3. Hazards identification**

Harmful if swallowed.

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### **4. First aid measures**

- After inhalation: Provide with fresh air
- After skin contact: Take off all contaminated clothing, wash with plenty of water
- After eye contact: Rinse thoroughly with plenty of water and seek medical advice
- After swallowing: Immediately drink plenty of water. Seek medical advice and show this container or label

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### **5. Fire-fighting measures**

- **Suitable extinguishing media:**  
Carbon Dioxide (CO<sub>2</sub>), foam, powder, water
- **Special protective equipment for fire fighting:**  
Do not stay in danger zone without self-contained breathing apparatus.
- **Other information:**  
Cool container with water spray from a safe distance. Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or groundwater. Keep away from sources of ignition.
- **Special risks:**  
Flammable. Vapors heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire.

### 6. Accidental release measures

- **Person-related precautionary measures:**  
Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms.
- **Environmental-protection measures:**  
Do not allow to enter sewage system.
- **Procedures for cleaning / absorption:**  
Take up with liquid-absorbent material. Forward for disposal. Clean affected area.

### 7. Handling and storage

- **Handling:**  
Take precautionary measures against static discharges. Keep away from source of ignition. When using do not eat or drink.
- **Storage:**  
Tightly closed, in a well-ventilated place. Keep away from source of ignition - no smoking.

### 8. Exposure controls and personal protection

- **Exposure limits:**  
Avoid contact with eyes, skin, clothing, and breathing vapor.
  - **Personal protective equipment:**  
Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
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| <ul style="list-style-type: none"> <li>• Respiratory protection:</li> <li>• Eye protection:</li> <li>• Hand protection:</li> <li>• Industrial hygiene:</li> </ul> | <p>Required when vapors/aerosols are generated.</p> <p>Wear eye/ face protection</p> <p>Wear suitable gloves</p> <p>Change contaminated clothing. Application of skin-protective barrier cream recommended.</p> <p>Wash hands after working with substance.</p> |
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### 9. Physical and chemical properties:

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| <ul style="list-style-type: none"> <li>• Form:</li> <li>• Color:</li> <li>• Odor:</li> <li>• pH value at 10 g/l H<sub>2</sub>O</li> <li>• Boiling point:</li> <li>• Flash point:</li> <li>• Melting point:</li> <li>• Explosive properties:</li> <li>• Lower explosion limit:</li> <li>• Upper explosion limit:</li> <li>• Ignition temperature:</li> <li>• Oxidizing properties:</li> </ul> | <p>Liquid</p> <p>Colorless to pale yellow</p> <p>Woody, Green</p> <p>No information available</p> <p>157°C</p> <p>58°C</p> <p>-45°C</p> <p>No information available</p> <p>1.2 Vol%</p> <p>7.7 Vol%</p> <p>285°C</p> <p>Not oxidizing; Flammable</p> |
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- Vapor pressure @20°C: 1 hPa
- Density/specific gravity @20°C: 0.814-0.824
- Solubility in water @20°C: 5.8 g/l
- Solubility in organic solvents: Soluble

#### 10. Stability and reactivity

- Conditions to be avoided: Heating
- Substances to be avoided: Strong oxidizing agents
- Hazardous decomposition products: Carbon monoxide, carbon dioxide
- Further information: No information available

#### 11. Toxicological information

- LD<sub>50</sub> oral, rat: 720 mg/kg
- LD<sub>50</sub> dermal, rabbit: 3100 mg/kg
- Further toxicological information: After skin contact: Irritations. Danger of skin absorption.  
 After Eye contact: severe irritations.  
 After swallowing: nausea, vomiting, and diarrhea.  
 After absorption of large quantities: narcosis.

#### 12. Ecological information

- **Biologic degradation**  
 Biodegradation: No information available
- **Ecotoxic effects**  
 Biological effects: No information available  
 Fish toxicity: Pimephales promelas LC<sub>50</sub>: 97.5 mg/l /96 h  
 Bacterial toxicity: No information available  
 Daphnia toxicity: No information available  
 Algal toxicity: No information available
- **Behavior in environmental compartments**  
 Distribution: log P(oct):
- **Further ecological data**  
 Do not allow to enter water, drain or soil.

#### 13. Disposal considerations

- **Produkt:**  
 according to official local regulations.
- **Packing:**  
 according to official local regulations.

#### **14. Transport information**

- UN-no. / Name: UN2282 / HEXANOLS
  - IMDG - Classification: 3 / UN2282 / PGIII
  - IATA - Classification: 3 / UN2282 / PGIII
  - ADR - Classification: 3 / UN2282 / PGIII
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#### **15. Regulatory information**

- **Labeling according to EC Directives:**
    - Symbol: Xn Harmful
    - R-phrases: 22 Harmful if swallowed
    - S-phrases: N/a N/a
    - EC-no.: 200-578-6
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#### **16. Other information**

- The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Issued by: Advanced Biotech  
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