

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-10

Print Date: 2025-09-12

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Hexylbenzene  
Product Number : H107002  
Brand : aladdin  
CAS-No. : 1077-16-3

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

Precautionary statement(s)

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

**SECTION 3: Composition/information on ingredients****3.1 Substances**

|                  |                                   |
|------------------|-----------------------------------|
| Synonyms         | : 1-Phenylhexane;n-Hexylbenzene   |
| Formula          | : C <sub>12</sub> H <sub>18</sub> |
| Molecular weight | : 162.27                          |
| CAS No.          | : 1077-16-3                       |
| EC-NO.           | : 214-070-7                       |

| Component    | Classification    | Concentration |
|--------------|-------------------|---------------|
| Hexylbenzene | no data available | ≥98%          |

**SECTION 4: First aid measures****4.1 Description of first aid measures****General advice**

Consult a physician.Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air.If not breathing give artificial respiration Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water.Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person.Rinse mouth with water.Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

no data available

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media**

no data available

**5.2 Special hazards arising from the substance or mixture**

no data available

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### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

no data available

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

no data available

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at 2-8 °C.

### 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of

workday.

**Personal protective equipment****Eye/face protection**

Safety glasses with side-shields conforming to EN166

**Skin protection**

Handle with gloves.

**Body Protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

no data available

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                                 |                                      |
|-------------------------------------------------|--------------------------------------|
| a) Appearance                                   | form: clear, liquid color: colorless |
| b) Odour                                        | no data available                    |
| c) Odour Threshold                              | no data available                    |
| d) pH                                           | no data available                    |
| e) Melting point/freezing point                 | -61 °C (-78 °F) - lit.               |
| f) Initial boiling point and boiling range      | 226 °C (439 °F) - lit.               |
| g) Flash point                                  | 83 °C (181 °F) - closed cup          |
| h) Evaporation rate                             | no data available                    |
| i) Flammability (solid, gas)                    | no data available                    |
| j) Upper/lower flammability or explosive limits | no data available                    |
| k) Vapour pressure                              | no data available                    |
| l) Vapour density                               | no data available                    |
| m) Relative density                             | 0.861 g/mL at 25 °C (77 °F)          |
| n) Water solubility                             | no data available                    |
| o) Partition coefficient: n-octanol/water       | no data available                    |
| p) Auto-ignition temperature                    | no data available                    |
| q) Decomposition temperature                    | no data available                    |
| r) Viscosity                                    | no data available                    |
| s) Explosive properties N                       | no data available                    |
| t) Oxidizing properties N                       | no data available                    |

**9.2 Other safety information**

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Phone: +1 (833) 552-7181 Email: [QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com) Website: <https://www.aladdinsci.com/>

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no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

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no data available  
**Aspiration hazard**  
 May be harmful if inhaled.Causes respiratory tract irritation.  
**Additional Information**

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

**Product**  
 This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.Observe all federal, state, and local environmental regulations.Contact a licensed professional waste disposal service to dispose of this material.  
**Contaminated packaging**  
 Dispose of as unused product.

## SECTION 14: Transport information

|                                         |                                            |                                             |
|-----------------------------------------|--------------------------------------------|---------------------------------------------|
| <b>DOT (US)</b>                         |                                            |                                             |
| UN number: 1993                         | Packing group: III                         | Class: CBL                                  |
| Proper shipping name: no data available | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |

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Environmental Hazards: No

**IMDG**

|                                         |                    |                           |
|-----------------------------------------|--------------------|---------------------------|
| UN number: 1993                         | Packing group: III | EMS-No: no data available |
| Proper shipping name: no data available |                    |                           |

**IATA**

|                                         |                    |            |
|-----------------------------------------|--------------------|------------|
| UN number: 1993                         | Packing group: III | Class: CBL |
| Proper shipping name: no data available |                    |            |

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**SECTION 16: Other information**

|                         |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prepared By</b>      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: <a href="mailto:QualityAssurance@aladdinsci.com">QualityAssurance@aladdinsci.com</a> |
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| <b>Revision Date</b>    | 10-Sep-2025                                                                                                                                         |
| <b>Print Date</b>       | 12-Sep-2025                                                                                                                                         |
| <b>Revision Summary</b> | SDS sections updated v1                                                                                                                             |

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