

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-20

Print Date: 2025-09-25

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

### 1.1 Product identifiers

Product name :  $\beta$ -Pinene  
Product Number : P108922  
Brand : aladdin  
CAS-No. : 18172-67-3

### 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)

Flammable liquids Category 3

Acute toxicity (Oral) Category 5

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Skin sensitization Category 1

### 2.2 GHS Label elements, including precautionary statements

**Pictogram**



**Signal word**

Danger

**Hazard statement(s)**

|      |                                                        |
|------|--------------------------------------------------------|
| H226 | Flammable liquid and vapor                             |
| H303 | May be harmful if swallowed                            |
| H315 | Causes skin irritation                                 |
| H317 | May cause an allergic skin reaction                    |
| H319 | Causes serious eye irritation                          |
| H413 | May cause long lasting harmful effects to aquatic life |

**Precautionary statement(s)**

|                |                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------|
| P210           | Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.          |
| P233           | Keep container tightly closed.                                                                           |
| P240           | Ground/bond container and receiving equipment.                                                           |
| P241           | Use explosion-proof [electrical/ventilating/lighting/.../] equipment.                                    |
| P242           | Use only non-sparking tools.                                                                             |
| P243           | Take precautionary measures against static discharge.                                                    |
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.                                                         |
| P264           | Wash hands [and ...] thoroughly after handling.                                                          |
| P272           | Contaminated work clothing should not be allowed out of the workplace.                                   |
| P273           | Avoid release to the environment.                                                                        |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                               |
| P321           | Specific treatment (see ... on this label).                                                              |
| P331           | Do NOT induce vomiting.                                                                                  |
| P391           | Collect spillage.                                                                                        |
| P302+P352      | IF ON SKIN: wash with plenty of water.                                                                   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. |
| P333+P313      | IF SKIN irritation or rash occurs: Get medical advice/attention.                                         |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                                                 |
| P370+P378      | In case of fire: Use ... to extinguish.                                                                  |
| P405           | Store locked up.                                                                                         |
| P403+P235      | Store in a well-ventilated place. Keep cool.                                                             |
| P501           | Dispose of contents/container to an approved waste disposal plant.                                       |
| P301+P316      | IF SWALLOWED: Get emergency medical help immediately.                                                    |
| P332+P317      | If skin irritation occurs: Get medical help.                                                             |

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

## SECTION 3: Composition/information on ingredients

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### 3.1 Substances

|                  |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
| Synonyms         | : (1S,5S)-2(10)-Pinene;(1S,5S)-6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane; (1S)-(-)-beta-Pinene |
| Formula          | : C10H16                                                                                           |
| Molecular weight | : 136.23                                                                                           |
| CAS No.          | : 18172-67-3                                                                                       |
| EC-NO.           | : 242-060-2                                                                                        |

| Component       | Classification    | Concentration |
|-----------------|-------------------|---------------|
| <b>β-Pinene</b> | no data available | ≥98%          |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General advice**

Consult a physician. Show this material safety data sheet to the doctor in attendance.

**If inhaled**

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

**In case of skin contact**

Take off contaminated clothing and shoes immediately. 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**

Do NOT induce vomiting. 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**

Dry chemical, foam, carbon dioxide.

**Unsuitable extinguishing media**

no data available

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

no data available

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

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

Use personal protective equipment. Keep away from spills / leaks and upwind. Ensure adequate ventilation

### 6.2 Environmental precautions

The leakage area should be enclosed with safety belts to control the entry of non relevant personnel.

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

Keep chemicals in suitable and closed containers for disposal. Remove all ignition sources. Use fireproof tools and explosion-proof equipment. Materials adhered or collected shall be disposed of in time according to appropriate laws and regulations.

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in a well ventilated place. Wear appropriate protective clothing. Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Use non sparking tools. Prevent fire caused by electrostatic discharge steam.

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

Store in a cool place. Keep the container closed and store in a dry and ventilated place.

### 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

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

### Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose 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

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------|
| a) Appearance                                   | no data available                                                                     |
| b) Odour                                        | no data available                                                                     |
| c) Odour Threshold                              | no data available                                                                     |
| d) pH                                           | no data available                                                                     |
| e) Melting point/freezing point                 | no data available                                                                     |
| f) Initial boiling point and boiling range      | 165 °C                                                                                |
| g) Flash point                                  | 32°C                                                                                  |
| 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                             | 0.868                                                                                 |
| n) Water solubility                             | Insoluble in water; Very soluble in chloroform; Soluble in benzene, alcohol and ether |
| o) Partition coefficient: n-octanol/water       | no data available                                                                     |
| p) Auto-ignition temperature                    | no data available                                                                     |

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|                              |                   |
|------------------------------|-------------------|
| 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

no data available

## 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

no data available

### 10.6 Hazardous decomposition products

no data available

## 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 data available

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**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

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**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**

no data available

**12.6 Other adverse effects**

no data available

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**SECTION 13:****13.1 Disposal considerations****Product**

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

**Contaminated packaging**

Dispose of as unused product.

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### SECTION 14: Transport information

**DOT (US)**

|                                                    |                                            |                                             |
|----------------------------------------------------|--------------------------------------------|---------------------------------------------|
| UN number: 3295                                    | Packing group: III                         | Class: 3                                    |
| Proper shipping name: Hydrocarbons, liquid, n.o.s. | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Environmental Hazards: no                          |                                            |                                             |

**IMDG**

|                                                    |                    |                           |
|----------------------------------------------------|--------------------|---------------------------|
| UN number: 3295                                    | Packing group: III | EMS-No: no data available |
| Proper shipping name: Hydrocarbons, liquid, n.o.s. |                    |                           |

**IATA**

|                                                    |                    |          |
|----------------------------------------------------|--------------------|----------|
| UN number: 3295                                    | Packing group: III | Class: 3 |
| Proper shipping name: Hydrocarbons, liquid, n.o.s. |                    |          |

### SECTION 15: Regulatory information

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

### SECTION 16: Other information

|                  |                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepared By      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: <a href="mailto:QualityAssurance@aladdinsci.com">QualityAssurance@aladdinsci.com</a> |
| Creation Date    | 30-Mar-2022                                                                                                                                         |
| Revision Date    | 20-Sep-2025                                                                                                                                         |
| Print Date       | 25-Sep-2025                                                                                                                                         |
| Revision Summary | SDS sections updated v1                                                                                                                             |

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