

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-10

Print Date: 2025-09-11

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

### 1.1 Product identifiers

Product name : tert-Butyl-d9-amine  
Product Number : T135027  
Brand : aladdin  
CAS-No. : 6045-08-5

### 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

Danger

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

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

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|                  |                                  |
|------------------|----------------------------------|
| Synonyms         | : 2-Amino-2-methyl-d3-propane-d6 |
| Formula          | : (CD3)3CNH2                     |
| Molecular weight | : 82.19                          |
| CAS No.          | : 6045-08-5                      |
| EC-NO.           | : no data available              |

| Component                  | Classification    | Concentration |
|----------------------------|-------------------|---------------|
| <b>tert-Butyl-d9-amine</b> |                   |               |
|                            | no data available | ≥98 atom% D   |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

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

#### If inhaled

If inhaled, please move the patient to fresh air. If breathing stops, give artificial respiration.

#### In case of skin contact

Immediately remove contaminated clothing and shoes. Rinse with soap and plenty of water. Immediately transport the patient to the hospital. Consult a doctor.

#### In case of eye contact

Thoroughly rinse with plenty of water for at least 15 minutes and consult a doctor.

#### If swallowed

Do not induce vomiting. Do not feed anything to unconscious individuals. Rinse your mouth with water. Consult a doctor.

### 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

Water, Foam, Carbon dioxide (CO2), Dry powder

#### Unsuitable extinguishing media

no data available

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

no data available

**5.3 Advice for firefighters**

no data available

**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 inhaling vapors, aerosols, or gases Eliminate all sources of ignition. Evaluate personnel to a safe area. Pay attention to the accumulation of vapor to an explosive concentration, as vapor can accumulate in low-lying areas on the ground.

**6.2 Environmental precautions**

If safety can be ensured, measures can be taken to prevent further leakage or overflow. Do not allow the product to enter the sewer.

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

Contain spillage and collect spillage with a vacuum cleaner or damp brush, place in container, and dispose of in accordance with local regulations (see Section 13).

**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**

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas with dust generation.

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

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place. The opened container must be carefully resealed and kept in an upright position to prevent leakage. Inflatable, hygroscopic

**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

no data available

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 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 particle respirator type N100 (US) or type P3 (EN 143) 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

## 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      | no data available |
| g) Flash point                                  | no data available |
| 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                             | no data available |
| 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 |

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

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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

no data available

### 10.6 Hazardous decomposition products

In case of fire, it will decompose into harmful substances. Carbon oxide, Nitrogen oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

Respiratory or skin allergies

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

There are no components in this product at levels greater than or equal to 0.1% that have been identified by IARC as possible or definite human carcinogens.

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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**

Harmful by inhalation. This substance has strong destructive power on tissues, mucous membranes, and upper respiratory tract.

**Additional Information**

no data available

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**SECTION 12: Ecological information****12.1 Toxicity**

no data available

**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: no data available                                                           | Packing group: no data available           | Class: no data available                    |
| Proper shipping name: FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (tert-Butyl-d9-amine) | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Environmental Hazards: No                                                              |                                            |                                             |

**IMDG**

|                                                                                        |                                  |                           |
|----------------------------------------------------------------------------------------|----------------------------------|---------------------------|
| UN number: no data available                                                           | Packing group: no data available | EMS-No: no data available |
| Proper shipping name: FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (tert-Butyl-d9-amine) |                                  |                           |

**IATA**

|                                                                                        |                                  |                          |
|----------------------------------------------------------------------------------------|----------------------------------|--------------------------|
| UN number: no data available                                                           | Packing group: no data available | Class: no data available |
| Proper shipping name: FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (tert-Butyl-d9-amine) |                                  |                          |

### SECTION 15: Regulatory information

no data available

### 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> |
| <b>Creation Date</b>    | 10-Sep-2020                                                                                                                                         |
| <b>Revision Date</b>    | 10-Sep-2025                                                                                                                                         |
| <b>Print Date</b>       | 11-Sep-2025                                                                                                                                         |
| <b>Revision Summary</b> | SDS sections updated v1                                                                                                                             |

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