

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-20

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

### 1.1 Product identifiers

Product name : Toluene-d<sub>8</sub>  
Product Number : T102275  
Brand : aladdin  
CAS-No. : 2037-26-5

### 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)

H225 Highly Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled  
H336 May cause drowsiness or dizziness

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|                                   |                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| H361                              | Suspected of damaging fertility or the unborn child                                                      |
| H371                              | May cause damage to organs                                                                               |
| H401                              | Toxic to aquatic life                                                                                    |
| <b>Precautionary statement(s)</b> |                                                                                                          |
| 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.                                                    |
| P260                              | Do not breathe dust/fume/gas/mist/vapors/spray.                                                          |
| P261                              | Avoid breathing dust/fume/gas/mist/vapors/spray.                                                         |
| P264                              | Wash hands [and ...] thoroughly after handling.                                                          |
| P271                              | Use only outdoors or in a well-ventilated area.                                                          |
| P280                              | Wear protective gloves/protective clothing/eye protection/face protection.                               |
| P321                              | Specific treatment (see ... on this label).                                                              |
| P331                              | Do NOT induce vomiting.                                                                                  |
| 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]. |
| P304+P340                         | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                               |
| 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+P233                         | Store in a well-ventilated place. Keep container tightly closed.                                         |
| P403+P235                         | Store in a well-ventilated place. Keep cool.                                                             |
| P501                              | Dispose of contents/container to an approved waste disposal plant.                                       |
| P203                              | Obtain, read and follow all safety instructions before use.                                              |
| P301+P316                         | IF SWALLOWED: Get emergency medical help immediately.                                                    |
| P318                              | if exposed or concerned, get medical advice.                                                             |
| P332+P317                         | If skin irritation occurs: Get medical help.                                                             |
| P319                              | Get medical help if you feel unwell.                                                                     |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                 |
|------------------|-------------------------------------------------|
| Synonyms         | : Toluene-d <sub>8</sub>                        |
| Formula          | : C <sub>6</sub> D <sub>5</sub> CD <sub>3</sub> |
| Molecular weight | : 100.19                                        |

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CAS No. : 2037-26-5  
EC-NO. : 218-009-5

| Component              | Classification    | Concentration  |
|------------------------|-------------------|----------------|
| Toluene-d <sub>8</sub> | no data available | ≥99.94 atom% D |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

no data available

#### If inhaled

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

#### In case of skin contact

Rinse with soap and plenty of water. 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 (CO<sub>2</sub>), 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

If necessary, wear self-contained breathing apparatus for firefighting operations.

### 5.4 Further information

Spray water 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. 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

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate

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government standards such as NIOSH (US) or EN166(EU).

**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      | 110 °C (230 °F) - lit.                    |
| g) Flash point                                  | 4 °C (39 °F)                              |
| 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                              | 29.1 hPa (21.8 mmHg) at 20.0 °C (68.0 °F) |
| l) Vapour density                               | no data available                         |
| m) Relative density                             | 0.943 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

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

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

Heat, flames, and sparks.

### 10.5 Incompatible materials

strong oxidant

### 10.6 Hazardous decomposition products

In case of fire, it will decompose to produce harmful substances. - carbon oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

Eyes - Rabbit Result: Severe eye irritation - 24 hours

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

no data available

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

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**Aspiration hazard**

no data available

**Additional Information**

no data available

**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**

Toxic to aquatic organisms and has long-lasting effects. Avoid release into the environment.

**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.

**SECTION 14: Transport information**
**DOT (US)**

UN number: 1294

Packing group: II

Class: 3

Proper shipping name: no data available Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: No

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**IMDG**

|                                         |                   |                           |
|-----------------------------------------|-------------------|---------------------------|
| UN number: 1294                         | Packing group: II | EMS-No: no data available |
| Proper shipping name: no data available |                   |                           |

**IATA**

|                                         |                   |          |
|-----------------------------------------|-------------------|----------|
| UN number: 1294                         | Packing group: II | Class: 3 |
| Proper shipping name: no data available |                   |          |

**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> |
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| <b>Revision Summary</b> | SDS sections updated v1                                                                                                                             |

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