

Shanghai Aladdin Biochemical Technology Co., Ltd.  
No. 809, Chuhua Branch Road, Fengxian District, Shanghai

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2025-09-17  
Print Date: 2025-09-24

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

### 1.1 Product identifiers

Product name : (R)-(+)- $\alpha$ -Methylbenzyl Isocyanate  
Product Number : R160892  
Brand : aladdin  
CAS-No. : 33375-06-3

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

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co., Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

### 1.4 Emergency telephone number

Emergency Phone : 0532-83889090

## 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)        |   |
| H315                       | Causes skin irritation  |
| H319                       | Causes serious eye irritation   |
| H330                       | Fatal if inhaled  |
| H331                       | Toxic if inhaled  |
| H334                       | May cause allergy or asthma symptoms or breathing difficulties if inhaled           |
| H335                       | May cause respiratory irritation  |
| Precautionary statement(s) |   |

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|                |  |
|----------------|--|
| 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.   |
| P284           | [In case of inadequate ventilation] Wear respiratory protection.   |
| P320           | Specific treatment is urgent (see ... on this label).  |
| P321           | Specific treatment (see ... on this label).  |
| P302+P352      | IF ON SKIN: wash with plenty of water.   |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P405           | Store locked up.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P501           | Dispose of contents/container to an approved waste disposal plant.   |
| P264+P265      | Wash hands [and ...] thoroughly after handling. Do not touch eyes.   |
| P337+P317      | If eye irritation persists: Get medical help.  |
| P332+P317      | If skin irritation occurs: Get medical help.   |
| P316           | Get emergency medical help immediately.  |
| P319           | Get medical help if you feel unwell.   |
| P342+P316      | If experiencing respiratory symptoms: Get emergency medical help immediately.  |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |   |
|------------------|---|
| Synonyms         | : (R)-(+)-1-Phenylethyl isocyanate/Isocyanic Acid (R)-(+)-1-Phenylethyl Ester ; Isocyanic Acid (R)-(+)- $\alpha$ -Methylbenzyl Ester ; (R)-(+)-1-Phenylethyl Isocyanate |
| Formula          | : C <sub>9</sub> H <sub>9</sub> NO  |
| Molecular weight | : 147.18  |
| CAS No.          | : 33375-06-3  |
| EC-NO.           | : no data available   |

| Component  | Classification    | Concentration |
|--|-------------------|---------------|
| <b>(R)-(+)-<math>\alpha</math>-Methylbenzyl Isocyanate</b> |                   |               |
|  | no data available | ≥98%(GC)      |

## SECTION 4: First aid measures

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## 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

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

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## 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

Carbon oxides, nitrogen oxide, 氢氟酸

### 5.3 Advice for firefighters

If necessary, wear a self-contained breathing apparatus to put out the fire.

### 5.4 Further information

Water spray can be used to cool unopened containers.

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## SECTION 6: Accidental release measures

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

Wear a breathing mask. Avoid inhaling vapors, aerosols, or gases. Ensure sufficient ventilation. Eliminate all sources of ignition. 将 Evacuate personnel to a safe area. Pay attention to the accumulation of steam at explosive concentrations, as it can accumulate in low lying areas on the ground.

### 6.2 Environmental precautions

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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

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

### 6.4 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

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. Gas sensitive ; heat sensitive. , store 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

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

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

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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 |
| 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**

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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

alkali, amine, acid, strong oxidant

### 10.6 Hazardous decomposition products

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

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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 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

**Aspiration hazard**

Inhalation - May cause respiratory irritation.

**Additional Information**

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## SECTION 12: Ecological information

### 12.1 Toxicity

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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: 2206

Packing group: III

Class: 6.1

Proper shipping name: no data available

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: No

### IMDG

UN number: 2206

Packing group: III

EMS-No: no data available

Proper shipping name: no data available

### IATA

UN number: 2206

Packing group: III

Class: 6.1

Proper shipping name: no data available

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## SECTION 15: Regulatory information

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

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## SECTION 16: Other information

### Further information

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