

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

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2025-09-10  
Print Date: 2025-09-10

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

### 1.1 Product identifiers

Product name : Albendazole  
Product Number : A114343  
Brand : aladdin  
CAS-No. : 54965-21-8

### 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)

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 : Methyl [5-(Propylthio)benzimidazol-2-yl]carbamate [5-(Propylthio)benzimidazol-2-yl]carbamic Acid Methyl Ester Methyl 5-(propylthio)-2-benzimidazolecarbamate

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|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Formula          | : C <sub>12</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> S |
| Molecular weight | : 265.33                                                          |
| CAS No.          | : 54965-21-8                                                      |
| EC-NO.           | : 259-414-7                                                       |

| Component   | Classification    | Concentration                |
|-------------|-------------------|------------------------------|
| Albendazole | no data available | analytical<br>standard, ≥99% |

## 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

Flush eyes with water as a precaution.

#### 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

The effects of intake can include reversible leukopenia, fever, nausea, diarrhea, and may cause headaches and dizziness.

### 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

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

### 5.3 Advice for firefighters

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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 dust formation. Avoid breathing vapours, mist or gas. Ensure adequate  
<br/>ventilation. Evacuate personnel to safe areas. Avoid breathing dust. <br/>

### 6.2 Environmental precautions

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

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for  
<br/>disposal. <br/>

### 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 formation of dust and aerosols. <br/><br/>Fluka - A4673 Page 3 of 6  
<br/>Provide appropriate exhaust ventilation at places where dust is formed. <br/>

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

Keep container tightly closed in a dry and well-ventilated place. <br/>

### 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  
<br/>workday. <br/>

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved

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under appropriate government standards such as NIOSH (US) or EN 166(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.

#### **Body Protection**

Complete suit protecting against chemicals, 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 full-face 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                 | 208-210°C                                                                                                                                                        |
| 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                             | Slightly soluble in acetone or chloroform, insoluble in water, slightly soluble in hot dilute hydrochloric acid, soluble in methanol, ethanol, acetic acid, etc. |
| 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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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

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

## 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

no data available

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

IARC: 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. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

Ingestion - May cause damage to organs through prolonged or repeated exposure.- Blood

**Aspiration hazard**

no data available

**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 <br/>

**12.3 Bioaccumulative potential**

no data available <br/>

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available <br/><br/>

**12.6 Other adverse effects**

no data available

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

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

no data available

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

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

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|                                           |                                            |                              |
|-------------------------------------------|--------------------------------------------|------------------------------|
| UN number: no data available              | Packing group: -                           | Class: -                     |
| Proper shipping name: Not dangerous goods | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: No |
| Environmental Hazards: No                 |                                            |                              |

#### IMDG

|                                           |                  |            |
|-------------------------------------------|------------------|------------|
| UN number: no data available              | Packing group: - | EMS-No: No |
| Proper shipping name: Not dangerous goods |                  |            |

#### IATA

|                                           |                  |          |
|-------------------------------------------|------------------|----------|
| UN number: no data available              | Packing group: - | Class: - |
| Proper shipping name: Not dangerous goods |                  |          |

## SECTION 15: Regulatory information

no data available

## SECTION 16: Other information

### Further information

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