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## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name : L-Alanine  
Product Number : A108263  
Brand : aladdin  
CAS-No. : 56-41-7

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

Identified uses : It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

#### 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** no data available  
**Signal word** no data available  
**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 : (S)-2-Aminopropionic acid; L- $\alpha$ -Aminopropionic acid; H-Ala-OH; L-2-Aminopropionic acid;

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Formula : C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>  
Molecular weight : 89.09  
CAS No. : 56-41-7  
EC-NO. : 200-273-8

Component	Classification	Concentration
L-Alanine		
	no data available	99%

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

###### General advice

no data available

###### If inhaled

no data available

###### In case of skin contact

用肥皂和大量的水冲洗。

###### In case of eye contact

谨慎起见用水冲洗眼睛。

###### If swallowed

用水雾，耐醇泡沫，干粉或二氧化碳灭火。

##### 4.2 Most important symptoms and effects, both acute and delayed

最重要的症状和健康影响据我们所知，此化学，物理和毒性性质尚未经完整的研究。

##### 4.3 Indication of any immediate medical attention and special treatment needed

如有必要，佩戴自给式呼吸器进行消防作业。

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

###### Suitable extinguishing media

no data available

###### Unsuitable extinguishing media

碳氧化物,氮氧化物

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

避免粉尘生成。避免吸入蒸气、气雾或气体。

##### 5.3 Advice for firefighters

无数据资料

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**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**

扫掉和铲掉。放入合适的封闭的容器中待处理。

**6.2 Environmental precautions**

no data available

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

在有粉尘生成的地方,提供合适的排风设备。

**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**

无数据资料

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

贮存在阴凉处。使容器保持密闭,储存在干燥通风处。

**7.3 Specific end use(s)**

常规的工业卫生操作。

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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**

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer

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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**

no data available

#### **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**

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	314-316°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	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**

吸入可能有害。可能引起呼吸道刺激。

**10.5 Incompatible materials**

吞咽可能有害。

**10.6 Hazardous decomposition products**

LD50 经口- 大鼠- 雄性和雌性- > 5,110 mg/kg 皮肤腐蚀

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

no data available

**Skin corrosion/irritation**

无数据资料

**Serious eye damage/eye irritation**

通过皮肤吸收可能有害。可能引起皮肤刺激。

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

此产品中无大于或等于0.1%含量的组分被IARC鉴别为可能的或肯定的人类致癌物。

**Carcinogenicity**

无数据资料体外基因毒性-回复突变试验-Escherichiacoli-阴性

**Reproductive toxicity**

化学物质毒性作用登记:无数据资料

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

可能引起眼睛刺激。

**Aspiration hazard**

对水蚤 和其他水生无脊椎动物的静态试验EC50 - Daphnia magna (水蚤 ) - > 100 mg/l- 48 h 方法 : OECD测试导则 202

**Additional Information**

no data available

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**SECTION 12: Ecological information**

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12.1	Toxicity
	no data available
12.2	Persistence and degradability
	无数据资料
12.3	Bioaccumulative potential
	无数据资料
12.4	Mobility in soil
	no data available
12.5	Results of PBT and vPvB assessment
	无数据资料
12.6	Other adverse effects
	no data available

SECTION 13:

13.1	Disposal considerations
	<b>Product</b> no data available
	<b>Contaminated packaging</b> Dispose of as unused product.

SECTION 14: Transport information

<b>DOT (US)</b> UN number: no data available Proper shipping name: 非危险货物 Environmental Hazards: 否	Packing group: - Reportable Quantity(RQ): no data available Poison Inhalation Hazard: 否	Class: -
<b>IMDG</b> UN number: no data available Proper shipping name: 非危险货物	Packing group: -	EMS-No: 否
<b>IATA</b> UN number: no data available Proper shipping name: 非危险货物	Packing group: -	Class: -

SECTION 15: Regulatory information

no data available

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**SECTION 16: Other information**

**Further information**

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