

Version: v1  
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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 : 1,2-Propanediol  
Product Number : P103434  
Brand : aladdin  
CAS-No. : 57-55-6

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

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

#### 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** Warning

**Hazard statement(s)**

H316 Causes mild skin irritation

H320 Causes eye irritation

**Precautionary statement(s)**

P264 Wash hands [and ...] thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P332+P313 IF SKIN irritation occurs: Get medical advice/attention.

P337+P313 IF eye irritation persists: Get medical advice/attention.

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

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SECTION 3: Composition/information on ingredients

|     |                   |                                     |                                   |
|-----|-------------------|-------------------------------------|-----------------------------------|
| 3.1 | Substances        |                                     |                                   |
|     | Synonyms          | : Propylene glycol Propane-1,2-diol |                                   |
|     | Formula           | : C3H8O2                            |                                   |
|     | Molecular weight  | : 76.09                             |                                   |
|     | CAS No.           | : 57-55-6                           |                                   |
|     | EC-NO.            | : 200-338-0                         |                                   |
|     | Component         | Classification                      | Concentration                     |
|     | 1,2-Propanediol   |                                     |                                   |
|     | no data available |                                     | analytical standard , ≥99.7% (GC) |

SECTION 4: First aid measures

|     |                                                                            |
|-----|----------------------------------------------------------------------------|
| 4.1 | Description of first aid measures                                          |
|     | <b>General advice</b><br>no data available                                 |
|     | <b>If inhaled</b><br>no data available                                     |
|     | <b>In case of skin contact</b><br>no data available                        |
|     | <b>In case of eye contact</b><br>no data available                         |
|     | <b>If swallowed</b><br>no data available                                   |
| 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                                        |
|     | <b>Suitable extinguishing media</b><br>no data available   |
|     | <b>Unsuitable extinguishing media</b><br>no data available |

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**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**

no data available

**6.2 Environmental precautions**

no data available

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

no data available

**6.4 Reference to other sections**

丢弃处理请参阅第13节。

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

no data available

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

no data available

**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**

根据工业卫生和安全使用规则来操作。 休息以前和工作结束时洗手。

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## Personal protective equipment

### Eye/face protection

面罩與安全眼鏡请使用经官方标准如NIOSH (美国) 或 EN 166(欧盟) 检测与批准的设备防护眼部。

### Skin protection

使用前必须检查手套。请使用正确的方法取下手套（请勿触摸手套的外表面），并避免任何皮肤部位接触产品。使用后，请按照相关法律法规和有效的实验室规程和程序小心操作被污染的手套。请清洁并吹干为您的手选择的防护手套，必须符合法规（EU）2016/425中给出的规格以及由此衍生的en 374标准。

### Body Protection

防渗透的衣服, 阻燃防静电防护服,防护设备的类型必须根据特定工作场所中的危险物的浓度和含量来选择。

### Respiratory protection

如危险性评测显示需要使用空气净化的防毒面具，请使用全面罩式多功能防毒面具（US）或ABEK型（EN 14387）防毒面具筒作为工程控制的候补。如果防毒面具是保护的唯一方式，则使用全面罩式送风防毒面具。呼吸器使用经过测试并通过政府标准如NIOSH（US）或CEN（EU）的呼吸器和零件。

### Control of environmental exposure

如果安全需要，防止进一步泄漏或溢出。不要让产品进入下水道。

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| a) Appearance                                   | form: 液体、清晰、粘性 color: 无色的       |
| b) Odour                                        | no data available               |
| c) Odour Threshold                              | no data available               |
| d) pH                                           | no data available               |
| e) Melting point/freezing point                 | -60 °C - lit.                   |
| f) Initial boiling point and boiling range      | 187 °C - lit.                   |
| g) Flash point                                  | 103 °C - 闭杯                     |
| h) Evaporation rate                             | no data available               |
| i) Flammability (solid, gas)                    | no data available               |
| j) Upper/lower flammability or explosive limits | 爆炸上限: 12.5 %(V) 爆炸下限: 2.6 %(V)  |
| k) Vapour pressure                              | 0.11 hPa 在 20 °C                |
| l) Vapour density                               | 2.63 - (空气= 1.0)                |
| m) Relative density                             | 1.036 g/cm <sup>3</sup> 在 25 °C |
| 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

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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no data available

**10.2 Chemical stability**

在建议的贮存条件下是稳定的

**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**

no data available

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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**

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**

no data available

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**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

no data available

Contaminated packaging

作为未用过的产品弃置。

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**SECTION 14: Transport information**

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

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Proper shipping name: no data available

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**SECTION 15: Regulatory information**

no data available

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**SECTION 16: Other information**

**Further information**

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