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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 : Diethyl adipate  
Product Number : D108605  
Brand : aladdin  
CAS-No. : 141-28-6

#### 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** no data available  
**Signal word** no data available  
**Hazard statement(s)**  
H402 Harmful to aquatic life  
**Precautionary statement(s)**  
P273 Avoid release to the environment.  
P501 Dispose of contents/container to an approved waste disposal plant.

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

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

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Synonyms : Adipic Acid Diethyl Ester  
Formula : C<sub>10</sub>H<sub>18</sub>O<sub>4</sub>  
Molecular weight : 202.25  
CAS No. : 141-28-6  
EC-NO. : 205-477-0

Component	Classification	Concentration
Diethyl adipate	no data available	reagent grade,99.0%

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#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

###### General advice

no data available

###### If inhaled

If breathed in, move person into fresh air.If not breathing give artificial respiration

###### In case of skin contact

Wash off with soap and plenty of water.

###### 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.

##### 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

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

no data available

##### 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**

Avoid breathing vapors, mist or gas.

**6.2 Environmental precautions**

Do not let product enter drains.

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

Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

no data available

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Normal measures for preventive fire protection.

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

Keep container tightly closed in a dry and well-ventilated place.

**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**

General industrial hygiene practice.

**Personal protective equipment**

**Eye/face protection**

Safety glasses

**Skin protection**

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For prolonged or repeated contact use protective gloves.

#### **Body Protection**

no data available

#### **Respiratory protection**

Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. 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	form: 液体 color: 无色
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	20 °C (68 °F)
f) Initial boiling point and boiling range	251 °C - lit.
g) Flash point	113 °C - 闭杯
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	1.009 g/mL 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

### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

Stable under recommended storage conditions.

#### **10.2 Chemical stability**

no data available

#### **10.3 Possibility of hazardous reactions**

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no data available

**10.4 Conditions to avoid**

no data available

**10.5 Incompatible materials**

no data available

**10.6 Hazardous decomposition products**

LD50 Oral - mouse - 8,100 mg/kg

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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 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.

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

May be harmful if inhaled. May cause respiratory tract irritation.

**Aspiration hazard**

no data available

**Additional Information**

no data available

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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**

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 16.8 mg/l - 96 h

**12.6 Other adverse effects**

no data available

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**SECTION 13:**

**13.1 Disposal considerations**

**Product**

Observe all federal, state, and local environmental regulations.

**Contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information**

**DOT (US)**

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

**IMDG**

UN number: no data available

Packing group: no data available

EMS-No: no data available

Proper shipping name: no data available

**IATA**

UN number: no data available

Packing group: no data available

Class: no data available

Proper shipping name: no data available

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**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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## SECTION 16: Other information

### Further information

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