

# SAFETY DATA SHEET

Version: v1

Revision Date: 2023-11-

06

Print Date: 2023-11-16

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

### 1.1 Product identifiers

Product name : 2-Ethylhexanoic acid  
 Product Number : E103543  
 Brand : aladdin  
 CAS-No. : 149-57-5

### 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

Danger

Hazard statement(s)

H312 Harmful in contact with skin  
 H318 Causes serious eye damage  
 H361 Suspected of damaging fertility or the unborn child

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

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

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

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms	: Octanoic Acid
Formula	: C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>
Molecular weight	: 144.21
CAS No.	: 149-57-5
EC-NO.	: 205-743-6

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Component	Classification	Concentration
2-Ethylhexanoic acid	no data available	>99.0% (GC)

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## 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

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### 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

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**

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**

Soak up with inert absorbent material and dispose of as hazardous waste.Keep in suitable, closed containers for  
<br/>disposal.<br/>6.4 Reference to other sections <br/>For disposal see section 13.<br/>

### **6.4 Reference to other sections**

no data available

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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**

no data available

#### **Personal protective equipment**

##### **Eye/face protection**

no data available

##### **Skin protection**

no data available

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**Body Protection**

no data available

**Respiratory protection**

no data available

**Control of environmental exposure**

no data available

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	form: Transparent liquid color: colorless
b) Odour	Unpleasant
c) Odour Threshold	no data available
d) pH	3 at 1.4 g/l at 20 °C
e) Melting point/freezing point	-59°C
f) Initial boiling point and boiling range	228°C
g) Flash point	114°C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	3 在 1.4 g/l 在 20 °C
k) Vapour pressure	13 hPa at 115 °C < 0.01 hPa at 20 °C
l) Vapour density	4.98 - (Air= 1.0)
m) Relative density	0.903 g/mL at 25 °C
n) Water solubility	Slightly soluble in water and alcohol, soluble in ether and hot water.
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

no data available

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Other decomposition products - no data available <br/>In the event of fire: see section 5 <br/>

### 10.6 Hazardous decomposition products

LD50 Oral - rat - 3,000 mg/kg <br/>Inhalation: no data available <br/>LD50 Dermal - rabbit - 1,142 mg/kg <br/>no data available <br/>

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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

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as <br/>probable, possible or confirmed human carcinogen by IARC.<br/>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a <br/>carcinogen or potential carcinogen by ACGIH.<br/>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a <br/>known or anticipated carcinogen by NTP.<br/>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a <br/>carcinogen or potential carcinogen by OSHA.<br/><br/>Aldrich - 538701 Page 6 of 8 <br/><br/>

#### Carcinogenicity

Human <br/>lymphocyte <br/>Sister chromatid exchange <br/>

#### 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

#### 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

no data available

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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 available

Environmental Hazards: No

### 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

no data available

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## SECTION 16: Other information

### Further information

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