

SAFETY DATA SHEET

Version: v1
Revision Date: 2023-11-15
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : 4-Ethyl octanoic acid
Product Number : E102646
Brand : aladdin
CAS-No. : 16493-80-4

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)	
H315	Causes skin irritation
H319	Causes serious eye irritation
Precautionary statement(s)	
P264	Wash hands [and ...] thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: Caprylic acid; 4-Ethyl octanoic acid
Formula	: C ₁₀ H ₂₀ O ₂
Molecular weight	: 172.26
CAS No.	: 16493-80-4
EC-NO.	: 240-560-5

Component	Classification	Concentration
4-Ethyl octanoic acid	no data available	98%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

请教医生。向到现场的医生出示此安全技术说明书。

If inhaled

将受害者移到新鲜空气处，保持呼吸通畅，休息。若感不适请求医就诊。

In case of skin contact

用肥皂和大量的水冲洗。请教医生。

In case of eye contact

用大量水彻底冲洗至少15分钟并请教医生。

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

如有必要，佩戴自给式呼吸器进行消防作业。

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

碳氧化物

Unsuitable extinguishing media

使用个人防护装备。避免吸入蒸气、气雾或气体。保证充分的通风。将人员疏散到安全区域。

5.2 Special hazards arising from the substance or mixture

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无数据资料

5.3 Advice for firefighters

no data available

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Absorb with inert adsorption materials and treat as hazardous waste. Place in a suitable closed container for processing.

6.2 Environmental precautions

no data available

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No data available

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place. The opened container must be carefully resealed and kept in an upright position to prevent leakage.

7.3 Specific end use(s)

no data available

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.

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Personal protective equipment

Eye/face protection

no data available

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. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

no data available

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface 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	no data available
f) Initial boiling point and boiling range	163 oC
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	0.904 g/cm ³ at 25 °C (77 °F)
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

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9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

强氧化剂

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

吸入可能有害。引起呼吸道刺激。

10.5 Incompatible materials

吞咽可能有害。

10.6 Hazardous decomposition products

无数据资料

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。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

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

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造成严重眼刺激。
Aspiration hazard
无数据资料
Additional Information
no data available

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

SECTION 13:

13.1 Disposal considerations

Product
no data available
Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

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

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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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