

Shanghai Aladdin Biochemical Technology Co., Ltd.  
No. 809, Chuhua Branch Road, Fengxian District, Shanghai

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-02-08  
Print Date: 2024-02-13

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

### 1.1 Product identifiers

Product name : Zinc 2-ethylhexanoate  
Product Number : Z283372  
Brand : aladdin  
CAS-No. : 136-53-8

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

Identified uses : Laboratory chemicals, Manufacture of substances.

### 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)

Flammable liquid, Class 3

inhalation toxicity, class 1

acute oral toxicity, class 5

severe eye injury/eye irritation, class 2

germ cell, class 1B

carcinogenicity, class 1B

reproductive toxicity, category 2

specific target organ system toxicity (repeated exposure) category 1

chronic aquatic toxicity, category 3

## 2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Danger
Hazard statement(s)	
H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H319	Causes serious eye irritation
H340	May cause genetic defects
H350	May cause cancer
H361d	Suspected of damaging the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects
Precautionary statement(s)	
P201	Obtain special instructions before use.
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P331	Do NOT induce vomiting.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301+P312	IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use ... to extinguish.
P403	Store in a well-ventilated place.
P501	Dispose of contents/container to an approved waste disposal plant.

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

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Synonyms	: no data available
Formula	: C16H30O4Zn
Molecular weight	: 351.79

Component	Classification	Concentration
<b>Zinc 2-Ethylhexanoate</b>		
CAS-No.: 136-53-8	Serious Eye Injury/eye Irritation, category 2 reproductive toxicity, category 2 harm to the aquatic environment-long-term risk, category 3	
EC-No.:		
<b>1-Hexanol, 6-bromo-, acetate</b>		
CAS-No.: 8052-41-3	Inhalation Hazards, category 1 germ cell mutagenicity, category 1B carcinogenicity, category 1B specific target organ toxicity, repeated exposure, category 1	
EC-No.:		

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice

If symptoms persist, contact a physician.

If inhaled

Transfer to fresh air. If breathing stops, give mouth-to-mouth. If symptoms develop, seek medical attention. The risk of serious lung damage, ie through inhalation.

In case of skin contact

Flush immediately with plenty of water for at least 15 minutes. Contact your physician if skin irritation persists.

In case of eye contact

Immediately flush with plenty of water for at least 15 minutes, including under the eyelids. See a doctor for treatment.

If swallowed

Rinse your mouth with water, then drink plenty of water. Do not induce vomiting. Call a doctor or a detoxification centre immediately. If vomiting occurs naturally, tilt the patient forward.

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

It's hard to breathe. Symptoms of overexposure may be headache, dizziness, fatigue, nausea and vomiting

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

no data available

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

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

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Suitable extinguishing media  
Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

Unsuitable extinguishing media  
no data available

## 5.2 Special hazards arising from the substance or mixture

no data available

## 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

## 5.4 Further information

Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use the personal protective equipment you need. Clear all fire sources. Take measures to prevent electrostatic discharge.

### 6.2 Environmental precautions

It must not be discharged into the environment. Additional ecological information can be found in section 12. Avoid release into the environment. Collect the spill. Do not flush into surface water or sewage disposal systems.

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

To absorb with an inert substance. Store in an appropriate airtight container for disposal. Clear all fire sources. Use of spark-proof tools and explosion-proof equipment. Please refer to the protective measures listed in sections 8 and 13. Handling and storage

### 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

Wear personal protective equipment/wear protective masks. Ensure adequate ventilation. Avoid contact with eyes, skin or clothing. Avoid ingesting or inhaling. Keep away from open flames, hot surfaces and fire sources. Use only tools that do not generate sparks. Take measures to prevent electrostatic discharge.

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

Keep container closed, dry and well ventilated. Away from heat, sparks and flames.

### 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

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

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

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

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## 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	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available

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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

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Keep away from open flames, hot surfaces, and fire sources

### 10.5 Incompatible materials

Oxidizer.

### 10.6 Hazardous decomposition products

carbon monoxide (CO).carbon dioxide(CO<sub>2</sub>).

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

no data available

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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  
Additional Information

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## SECTION 12: Ecological information

### 12.1 Toxicity

Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. This product contains the following environmentally hazardous substances.

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

There may be some potential bioaccumulation

### 12.4 Mobility in soil

Leakage into the soil is unlikely, this product does not dissolve in water, immersed in the water. Because of its low water solubility, it can not migrate in the environment

### 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:

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### 13.1 Disposal considerations

Product

Waste is classified as hazardous. Dispose of wastes and hazardous wastes in accordance with European regulations. Follow local regulations

Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

DOT (US)

UN number: 1268

Packing group: III

Class: 3

Proper shipping name: no data available

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no data available

IMDG

UN number: 1268

Packing group: III

EMS-No: no data available

Proper shipping name: no data available

IATA

UN number: 1268

Packing group: III

Class: 3

Proper shipping name: no data available

## SECTION 15: Regulatory information

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

## SECTION 16: Other information

Further information

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