

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

SAFETY DATA SHEET

Version: v1
Revision Date: 2024-06-27
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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

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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 | : C ₁₆ H ₃₀ O ₄ Zn |
| Molecular weight | : 351.79 |

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

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 an 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 (CO₂), 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.

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.

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

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(CO₂).

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

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

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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