

# SAFETY DATA SHEET

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

### 1.1 Product identifiers

Product name : α-Zearalanol Solution  
Product Number : Z121770  
Brand : aladdin  
CAS-No. : 26538-44-3

### 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) :  
Precautionary statement(s) :

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Synonyms : Zeranol 2,4-Dihydroxy-6-(6α,10-dihydroxyundecyl)benzoic acid μ-lactone  
Formula : C18H26O5  
Molecular weight : 322.4

Component	Classification	Concentration

## 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

## 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

Hazardous decomposition products formed under fire conditions. - Carbon oxides

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

no data available

## SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate

<br/>ventilation. Evacuate personnel to safe areas. Avoid breathing dust.<br/>

## **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.<br/><br/>Sigma - Z0292 Page 3 of 7

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.<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**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.<br/>Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.<br/>

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

Keep container tightly closed in a dry and well-ventilated place.<br/>Recommended storage temperature: -20 °C<br/>

## **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.<br/>

### **Personal protective equipment**

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

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).<br/>

#### **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.<br/>

#### **Body Protection**

impervious clothing, The type of protective equipment must be selected according to the concentration and

amount <br/>of the dangerous substance at the specific workplace.<br/>

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 <br/>(US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole <br/>means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved <br/>under appropriate government standards such as NIOSH (US) or CEN (EU).<br/>

#### **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	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
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**

Stable under recommended storage conditions.

### **10.2 Chemical stability**

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Strong oxidizing agents

### 10.5 Incompatible materials

Hazardous decomposition products formed under fire conditions.- Carbon oxides <br/>Other decomposition products - no data available <br/>

### 10.6 Hazardous decomposition products

Oral LD50 <br/>no data available <br/>Inhalation LC50 <br/>Dermal LD50 <br/>no data available <br/>Other information on acute toxicity <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 <br/>

#### **Serious eye damage/eye irritation**

no data available <br/>

#### **Respiratory or skin sensitisation**

no data available

#### **Germ cell mutagenicity**

Some steroids show carcinogenic and teratogenic activity.<br/><br/><br/><br/>Sigma - Z0292 Page 5 of 7 <br/>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/>

#### **Carcinogenicity**

<br/><br/>no data available <br/>

#### **Reproductive toxicity**

Inhalation - May cause respiratory irritation.<br/>

#### **Specific target organ toxicity - single exposure**

no data available <br/>

#### **Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available <br/>

**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 <br/>

### **12.3 Bioaccumulative potential**

no data available <br/>

### **12.4 Mobility in soil**

no data available

### **12.5 Results of PBT and vPvB assessment**

<br/>Sigma - Z0292 Page 6 of 7 <br/>no data available <br/><br/>

### **12.6 Other adverse effects**

no data available

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## **SECTION 13:**

### **13.1 Disposal considerations**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

no data available

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## **SECTION 14: Transport information**

**DOT (US)**

UN number: no data available

Packing group: -

Class: -

Proper shipping name: 非危险货物

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: 否

**IMDG**

UN number: no data available

Packing group: -

EMS-No: no data available

Proper shipping name: 非危险货物

#### IATA

UN number: no data available

Packing group: -

Class: -

Proper shipping name: 非危险货物

## SECTION 15: Regulatory information

no data available

## SECTION 16: Other information

### Further information

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18