

## Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	Alpha Angelica Lactone
<b>CAS:</b>	591-12-8
<b>FEMA:</b>	3293
<b>EINECS No.:</b>	209-701-8
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	98.1
<b>Recommended Use:</b>	This product is only intended for using as an ingredient in the manufacturing of mixtures.
<b>Supplier:</b>	FUZHOU FARWELL IMPORT & EXPORT CO., LTD Room1518, Wuzhou Building, 817 North Road, Fuzhou, Fujian, P.R. of China Tel: +86 591 87518030 Fax: +86 591 87536105
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## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to the Regulation (EC) No 1272/2008.

Flammable liquids (Category 4), H227

Acute toxicity, Oral (Category 5), H303

Skin sensitization (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label Elements



Pictogram

Signal word      Warning

#### Hazard statement(s)

H227      Combustible liquid.

H303      May be harmful if swallowed.

H317      May cause an allergic skin reaction.

#### Precautionary statement(s)

Prevention

Revision Date: 22-03-2024

Version#07

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P261	Avoid breathing mist or vapors.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ eye protection/ face protection.
Response	
P302 + P352	IF ON SKIN: Wash with plenty of water.
P312	Call a POISON CENTER/ doctor if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
Disposal	
P501	Dispose of contents/ container to an approved waste disposal plant.

**Reduced Labeling (<= 125 ml)**



Pictogram

Signal Word	Warning
Hazard statement(s)	
H227	Combustible liquid.
H303	May be harmful if swallowed.
H317	May cause an allergic skin reaction.

Precautionary statement(s) none

**2.3 Physical and chemical hazards**

H227	Combustible liquid.
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**2.4 Health hazards**

H303	May be harmful if swallowed.
H317	May cause an allergic skin reaction.

**2.5 Environmental hazards**

Referring to current information, no environmental hazard.

**2.6 Other hazards - none**

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**

Revision Date: 22-03-2024

COMPONENTS	CAS NUMBER	PROPORTION	CLASSIFICATION
Alpha Angelica Lactone	591-12-8	100%	Flammable liquids Category 4; Acute toxicity Category 5; Skin sensitization Category 1; H227, H303, H317

### Section 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### Skin Contact

Remove contaminated clothing and wash skin and hair with soap and water. If irritation occurs seek medical advice.

##### Eye Contact

Wash out immediately with water (remove contact lenses if easily possible). In all cases of eye contamination, it is a sensible precaution to seek medical advice.

##### Ingestion

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit does not enter the lungs.

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

Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

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

Not available.

### Section 5: FIRE FIGHTING MEASURES

**Suitable extinguishing media** Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical** Carbon oxides

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Specific methods**

Use water spray to cool unopened containers.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

### **6.2 Environmental precautions**

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## **Section 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

For precautions see section 2.2.

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

Keep container closed and upright to prevent leakage. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

## **Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Appropriate engineering controls**

Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

### **Individual protection measures, such as personal protective equipment**

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

Wear safety glasses with side shields (or goggles). Wash contaminated goggles before reuse

#### **Skin protection**

Avoid contact with skin. Compatible chemical-resistant gloves

are recommended. Wash contaminated gloves before reuse.

### Respiratory protection

Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### a) Appearance

Form

Liquid

Color

Pale yellow to yellow

### b) Odor

With angelica note

### c) Odor Threshold

No data available

### d) PH

No data available

### e) Melting Point/Freezing Point

Melting point/range: 13 - 17 °C - lit

### f) Initial Boiling Point and Boiling Range

55-56 °C at 16hPa - lit.

### g) Flash Point

68 °C - closed cup

### h) Evaporation Rate

No data available

### i) Flammability (solid, gas)

No data available

### j) Upper/lower Flammability or Explosive limits

Flammability limit – lower (%)

No data available

Flammability limit – upper (%)

No data available

Explosive limit - lower (%)

No data available

Explosive limit - upper (%)

No data available

### k) Vapor Pressure

No data available

### l) Vapor Density

No data available

### m) Specific Gravity (25/25°C)

1.0826 ~1.0846

### n) Water Solubility (Water)

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

## Section 10: STABILITY AND REACTIVITY

### Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### Possibility of hazardous reactions

Violent reactions possible with:

	Strong oxidizing agents
<b>Conditions to avoid</b>	Exposure to moisture. Heat. Strong heating
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	In the event of fire: see section 5

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - 3,900 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Ptois.

Behavioral:Somnolence (general depressed activity).

Lungs, Thorax, or Respiration:Dyspnea.

(RTECS)

Inhalation: No data available

Dermal: No data available

#### Skin corrosion/irritation

Remarks: No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

#### Specific target organ toxicity - repeated exposure

No data available

**Aspiration hazard**

No data available

**11.2 Additional Information**

RTECS: LU5075000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**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**

PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

No data available

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal instructions**

Do not discharge into drains, water courses or onto the ground.  
Do not allow this material to drain into sewers/water supplies.  
Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Waste from residues/unused products** Empty containers or liners may retain some product residues.  
This material and its container must be disposed of in a safe

manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**Section 14: TRANSPORT INFORMATION**

**ADR/RID**

Not regulated as dangerous goods

**IMDG**

Not regulated as dangerous goods

**IATA**

Not regulated as dangerous goods

**Section 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

**15.2 Chemical safety assessment**

No data available.

**Section 16: OTHER INFORMATION**

**Disclaimer**

The above information is based on data provided by and collected from recognized sources and is considered to be accurate to the best of our knowledge as of the date of this document. Since Fuzhou Farwell Imp. & Exp. Co., Ltd. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. In no event shall Fuzhou Farwell Imp. & Exp. Co., Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fuzhou Farwell Imp. & Exp. Co., Ltd. has been advised of the possibility of such damages.