



SUPERIOR QUALITY - ETHICALLY SOURCED  
13202 89TH AVENUE STE 212, RICHMOND HILL, NY 11418, UNITED STATES  
WWW.TALSENCHEM.COM 855-944-2050 INFO@TALSENCHEM.COM

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

### **1.1 Product identifiers**

Product name : Mandelic acid

REACH No. : 01-2120349224-60-XXXX

CAS-No. : 90-64-2

### **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 : SENVENTURES, LLC  
13202 89th Avenue STE 212, Richmond Hill,  
NY 11418, United States

Telephone : 855-944-2050

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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

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

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

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

### **2.2 Label elements**

#### **Labelling according Regulation (EC) No 1272/2008**

Hazard statement(s) H314	Causes severe skin burns and eye damage.
Precautionary statement(s) P260 P280	Do not breathe dust or mist. Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 P303 + P361 + P353	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Supplemental Hazard Statements	none

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Molecular weight : 152,15 g/mol  
CAS-No. : 90-64-2  
EC-No. : 202-007-6

Component	Classification	Concentration
<b>Mandelic acid</b>		
	Skin Corr. 1B; Eye Dam. 1; H314, H318	<= 100 %

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

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## 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.

#### If inhaled

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

#### In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

#### **5.4 Further information**

No data available

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### **SECTION 6: Accidental release measures**

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

#### **6.2 Environmental precautions**

Do not let product enter drains.

#### **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.

#### **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**

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

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

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

Light sensitive.

#### **7.3 Specific end use(s)**

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Components with workplace 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 EN 166(EU).

##### **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.

##### Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

##### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

##### **Body Protection**

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

##### **Respiratory protection**

approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Control of environmental exposure**

Do not let product enter drains.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

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|---|--|
| a) Appearance                                   | Form: solid<br>Colour: white   |
| b) Odour  | weakly aromatic  |
| c) Odour Threshold                              | No data available  |
| d) pH   | 2,3 at 10 g/l  |
| e) Melting point/freezing point                 | Melting point/range: 119 - 121 °C - lit.   |
| f) Initial boiling point and boiling range      | 255 - 340 °C at ca.1.013 hPa - OECD Test Guideline 103 - Decomposition             |
| g) Flash point                                  | No data available  |
| h) Evaporation rate                             | No data available  |
| i) Flammability (solid, gas)                    | The product is not flammable. - Flammability (solids)                              |
| j) Upper/lower flammability or explosive limits | No data available  |
| k) Vapour pressure                              | < 0,1 hPa at 25 °C - OECD Test Guideline 104                                       |
| l) Vapour density                               | No data available  |
| m) Relative density                             | 1,31 g/cm <sup>3</sup> at 20 °C - OECD Test Guideline 109                          |
| n) Water solubility                             | 139 g/l at 20 °C - OECD Test Guideline 105   |
| o) Partition coefficient: n-octanol/water       | log Pow: 0,5 at 23 °C - OECD Test Guideline 107 - Bioaccumulation is not expected. |
| p) Auto-ignition temperature                    | does not ignite  |
| q) Decomposition temperature                    | No data available  |
| r) Viscosity                                    | No data available  |
| s) Explosive properties                         | No data available  |
| t) Oxidizing properties                         | No data available  |

### **9.2 Other safety information**

Surface tension > 60 mN/m at 1,002g/l at 20 °C

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** slight brown powder.

**pH (1% soln/water):** Not available.

**Boiling Point:** Not available. **Melting**

**Point:** Not available.

**Critical**

**Temperature:** Not available. **Specific**

**Gravity:** Not available.

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available. **Water/Oil**

**Dist. Coeff.:** Not available. **Ionicity (in**

**Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

## **Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat, incompatible materials

**Incompatibility with various substances:** Not available.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** No information available at this time.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## **Section 11: Toxicological Information**

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:**

LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Dust may cause eye irritation.

Ingestion: Swallowing this material during normal handling is not likely to be harmful. Inhalation:

This material may produce dust. May cause respiratory tract irritation. Breathing small amounts of this material during normal handling is not likely to be harmful. Breathing large amounts may be harmful. The toxicological properties of this substance have not been fully investigated.

## **Section 12: Ecological Information**

**Ecotoxicity:**

Not available.

**BOD5 and COD:**

Not available.

**Products of**

**Biodegradatio**

**n:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

## **Section 13: Disposal Considerations**

### **Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## **Section 14: Transport Information**

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## **Section 15: Other Regulatory Information**

**Federal and State Regulations:** No products were found.

**Other Regulations:** Not available.

**Other Classifications:**

## **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/09/2019 04:24 PM

**Last Updated:** 06/18/2027 12:00 PM