



## Section 1 - Chemical Product and Company Identification

**Product Name** DL-Malic Acid pure, 99%  
**Product Code** 24226  
**CAS No** 6915-15-7  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

| CAS #     | Chemical Name   | %  | EINECS    |
|-----------|-----------------|----|-----------|
| 6915-15-7 | DL- Maleic Acid | 99 | 230-022-8 |

No Components need to be disclosed according to the applicable regulations

## Section 3 - Hazards Identification

### Risk advice to man and the environment

Non-Haz

## Section 4 - First Aid Measures

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Notes to Physician:**

## Section 5 - Fire Fighting Measures

### Extinguishing Media

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

### Special Protective

**Equipment For Firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures

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**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust.  
Ensure adequate ventilation. Evacuate personnel to safe areas.

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

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed  
containers for disposal.

## Section 7 - Handling and Storage

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate  
exhaust ventilation at places where dust is formed. Normal measures for  
preventive fire protection.

**Storage:** Room Temperature. Keep container tightly closed in a dry and well-ventilated place.

## Section 8 - Exposure Control / Personal Protection

### Personal Protective Equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a  
full-face particle respirator type N99 (US) or type P2 (EN 143) 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).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive  
89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the  
dangerous substance at the work  
place.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and  
immediately after handling the product.

## Section 9 - Physical and Chemical Properties

**Physical State:** Powder

**Molecular Formula:** C<sub>4</sub>H<sub>6</sub>O<sub>5</sub>

**Molecular Weight:** 134.09

**Melting point:** 131 - 133 °C - lit.

**Boiling Point:** 321.5 °C / 610.7 °F

## Section 10 - Stability and Reactivity



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**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:**

**Hazardous decomposition**

**Products formed under fire**

**conditions.** - Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## Section 11 - Toxicological Information

**Acute toxicity:** LD50 Oral - Rat - male and female - 3.500 mg/kg

LD50 Intraperitoneal - Rat - 100 mg/kg

LD50 Intraperitoneal - Mouse - 50 mg/kg

**Irritation and corrosion:** No data available

**Sensitisation:** No data available

**Chronic exposure: IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Signs And Symptoms**

**Of Exposure:** No data available

**Route Of Exposure**

**Inhalation:** No data available

**Skin :** No data available

**Eyes:** No data available

**Ingestion:** No data available

## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. 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:** Dispose of as unused product.

## Section 14 - Transport Information

|                       | <b>IATA</b>                          | <b>IMO</b> | <b>RID/ADR</b> |
|-----------------------|--------------------------------------|------------|----------------|
| <b>Shipping Name:</b> | Not Regulated For Transport(Non Haz) |            |                |

**Hazard Class:**

**UN Number:**

**Packing Group:**

## Section 15 - Regulatory Information

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



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LABORATORIES  
PVT. LTD.**

# Safety Data Sheet

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## **Section 16 - Other Information**

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.