

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47404**

Tel: 812.334.9996      Fax: 812.334.1960      Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Effective Date:** 9/26/97

**Product Name:** SUCCINIC ACID

**Molecular Formula:** (CH<sub>2</sub>COOH)<sub>2</sub>

**CAS No.:** 110-15-6

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**SECTION 2: HAZARDOUS INGREDIENTS: NONE**

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**SECTION 3: PHYSICAL DATA**

Odor: N/A

Appearance: Solid

Melting point.: 188C

Boiling point: N/A

Decomposition temperature: 235C

pH (depends on quality): N/A

Solubility in water: partially soluble in cold water

Specific gravity (water = 1) 1.56

Vapor density: N/A

Vapor pressure: N/A

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**SECTION 4: FIRE AND EXPLOSION DATA**

Flash point: OPEN CUP: 160C

Flammable limit: N/A

Flammability: Combustible

Extinguishing media: Small fire: DRY chemicals, CO<sub>2</sub>, water spray or foam. Large: DO NOT use water jet.

Fire fighting procedures: N/A

Unusual fire and explosions hazards: none

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**SECTION 5: REACTIVITY DATA**

Stable   X                        Unstable       

**Decomposition byproducts:** carbon oxides(CO, CO<sub>2</sub>)

**Incompatibilities/Condition to Avoid:** N/A

**Hazardous Polymerization:** N/A

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**SECTION 6: HEALTH HAZARD DATA**

**Toxicity:** N/A

**Route of Entry:** Ingestion, inhalation

**Permissible Exposure limits:** N/A

**TWA:**

**TLV:**

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Use appropriate tools to put spilled solid in convenient waste disposal container. Finish by spreading water on contaminated surface and dispose of according to local and regional authority requirements.

**Disposal:** Recycle to process if possible. Consult your local or regional authorities.

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**SECTION 8: FIRST AID PROCEDURES**

**Eye Contact:** Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for 15 minutes, keeping eyelids open. COLD water should be used. DO NOT use eye ointment. Seek medical attention.

**Skin Contact:** Remove contaminated clothes as quickly as possible, place victim under deluge shower. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Carefully clean folds, crevices, creases, and groin. Use COLD water. Wash skin with emollient. If irritation persists, seek medical attention. Wash clothing before reusing.

Cover irritated  
contaminated

**Inhalation:** Allow victim to rest in well ventilated area. Seek immediate medical attention.

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**Ingestion:** Remove dentures if any. Have conscious person drink several glass of water or milk. INDUCE VOMITING. Lower the head so that vomit will not reenter mouth and throat. NEVER give unconscious person anything to ingest. Seek medical attention.

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**SECTION 9: HANDLING AND STORAGE INFORMATION:** Keep away from heat, store in cool, dry place with good ventilation and away from oxidizing agents. Empty containers pose a fire risk, evaporate residue under fume hood. DO NOT breath dust, and seek medical attention if you feel unwell. Ground all equipment containing material.

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**SECTION 10: SPECIAL PROTECTION INFORMATION:**

**Ventilation:** Local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

**Skin Protection:** Lab coat, impervious gloved.

**Eye Protection:** Splash goggles.

**Respiratory Protection:** MSHA/NIOSH approved respirator or equivalent.

**Other:** Full suit in event of large spill.

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**SECTION 11: TRANSPORT INFORMATION**

**DOT Classification:** Not a regulated material.

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**SECTION 12: OTHER REGULATORY INFORMATION**

**Federal and State regulations:**

**WHMIS (Canada):** Not controlled.

**DSCL (EEC):** Not controlled

**HMIS (USA):** Health Hazzard: 2

Fire Hazzard: 1

Reactivity: 0

Personal Protection: e