



# SILVER FERN CHEMICAL

## Material Safety Data Sheet

### ERYTHORBIC ACID

#### SECTION 1: IDENTIFICATION

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**Product Name:** Erythorbic Acid

**CAS Number:** 89-65-6

**Company**

Silver Fern Chemical, Inc.  
2226 Queen Anne Avenue North  
Suite #C  
Seattle WA 98109, USA

**Business Contact**

Customer Service: 206-282-3376  
[info@silverfernchemical.com](mailto:info@silverfernchemical.com)

**24 Hour Emergency Contact**

Infotrac 800-535-5053  
Outside USA & Canada 352-323-3500

#### SECTION 2: HAZARD IDENTIFICATION

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**Hazard Description:** Not Applicable

**Information pertaining to particular dangers for man and environment:** Not Applicable

#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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D- (-)-Araboascorbic Acid	CAS# 89-65-6	100%
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#### SECTION 4: FIRST AID MEASURES

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**After Inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

**After Skin Contact**

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

**After Eye Contact**

Rinse opened eye for several minutes under running water. Then consult a doctor.

**After Swallowing**

Seek medical treatment.



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#### SECTION 5: FIRE FIGHTING MEASURES

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**Suitable Extinguishing Agents**

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards caused by the material, its products of combustion or resulting gases:**

In case of fire, the following can be released: Carbon monoxide (CO)

**Protective Equipment:**

Wear self-contained respirator.

Wear fully protective impervious suit.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Person-related Safety Precautions:**

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

**Measures For Environmental Protection:**

Do not allow material to be released to the environment without proper governmental permits.

**Measures For Cleaning/Collecting:**

Pick up mechanically.

**Additional Information:**

See section 7 for information on safe handling

See section 8 for information on personal protection equipment

See section 13 for disposal information

#### SECTION 7: HANDLING AND STORAGE

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**Handling Information For Safe Handling:**

Keep container tightly sealed. Store in cool; dry place in tightly closed containers. No special precautions are necessary if used correctly.

**Information About Protection Against Explosions And Fires:**

No special measures required.

**Storage Requirements To Be Met By Storerooms And Receptacles:**

No special requirements.



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#### Information About Storage In One Common Storage Facility:

Store away from oxidizing agents.

#### Further Information About Storage Conditions:

Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers.

#### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**Additional Information About Design Of Technical Systems:** Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Components With Limit Values That Require Monitoring At The Workplace:** Not Required.

**Additional Information:** No Data

**Personal Protective Equipment/General Protective And Hygienic Measures:** The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

**Breathing Equipment:** Use suitable respirator when high concentrations are present.

**Protection Of hands:** Impervious Gloves

**Eye Protection:** Safety Glasses

**Body Protection:** Protective work clothing.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**Form:** Powder

**Color:** White

**Odor:** Odorless

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
<b>Change In Condition</b>	169-172	° C	
<b>Melting Point/Melting Range:</b>	Not Determined		
<b>Boiling Point/Boiling Range:</b>	Not Determined		
<b>Sublimation Temperature/Start:</b>	Not Determined		
<b>Flash Point:</b>	Not Applicable		
<b>Flammability (Solid, Gaseous)</b>	Product Is Not Flammable		
<b>Ignition Temperature:</b>	Not Determined		
<b>Decomposition Temperature:</b>	Not Determined		



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**Danger Of Explosion:** Product does not present an explosion hazard

**Explosion Limits:** **Lower:** Not Determined  
**Upper:** Not Determined

**Vapor Pressure:** Not Determined

**Density:** Not Determined

**Solubility In/ Miscibility With Water:** Soluble

#### SECTION 10: STABILITY AND REACTIVITY

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**Thermal Decomposition/Conditions To Be Avoided:** Decomposition will not occur if used and stored according to specifications.

**Materials To Be Avoided:** Oxidizing Agents

**Dangerous Reactions:** No Dangerous reactions known

**Dangerous Products Of Decomposition:** Carbon monoxide and carbon dioxide

#### SECTION 11: TOXICOLOGICAL INFORMATION

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##### Acute Toxicity

##### Primary Irritant effect:

**On The Skin:** May cause irritation

**On The Eye:** May cause irritation

**Sensitization:** No sensitizing effects known

##### Other Information (About Experimental Toxicology)

Mutagenic effects have been observed on tests with bacteria.

##### Subacute To Chronic Toxicity

Other than potential irritation (see above), no information on illness or injury from acute or chronic exposure to this product is available.

##### Additional Toxicological Information

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

#### SECTION 12: ECOLOGICAL INFORMATION

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##### General Notes

Do not allow material to be released to the environment without proper governmental permits.



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#### SECTION 13: DISPOSAL CONSIDERATIONS

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**Product:**

**Recommendation**

Consult state, local or national regulations for proper disposal.

**Uncleaned packagings:**

**Recommendation**

Disposal must be made according to official regulations.

**Recommended Cleansing Agent:**

Water, if necessary with cleansing agents.

#### SECTION 14: TRANSPORT INFORMATION

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Not a hazardous material for transportation.

**DOT Regulations:**

**Hazard Class:** None

**Land Transport ADR/RID (cross-border)**

**ADR/RID Class:** None

**Maritime Transport IMDG:**

**IMDG Class:** None

**Air Transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** None

**Transport/Additional Information:**

Not dangerous according to the above specifications.

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*



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#### SECTION 15: REGULATORY INFORMATION

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**Product Related Hazard Informations:**

Observe the general safety regulations when handling chemicals.

**National Regulations:**

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

**Information About Limitation Of Use:**

For use only by technically qualified individuals.

#### SECTION 16: OTHER INFORMATION

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