

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

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**Effective Date:** 06/14/95

**Product Name:** Zinc Ascorbate, Ascorbic Acid Zinc Salt

**Hazardous Ingredients:** N/A

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**Physical Data:**

Melting point (range) Approx.:	N/A
Molecular Weight:	N/A
Pure/Mixture	N/A
pH	N/A
Boiling point:	N/A
Decomposition temperature:	N/A
Solubility in water:	N/A
Odor:	Practically odorless
Physical form:	White crystals
Tap density:	N/A

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**Fire and Explosion Information:**

Flash point:	N/A
(Auto) Ignition temperature:	N/A
Explosion Hazards:	Weak dust explosion or dust fire hazard
Extinguishing media to be recommended:	Water, Carbon Dioxide, Dry Chemical, Foam.
Special fire and explosions precautions:	Wear NIOSH/MSHA approved positive pressure, self contained breathing apparatus and full protective turn out gear. Use water to keep containers cool. Use caution in approaching fire.

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**Reactivity Data:**      **Stable**   X                        **Unstable** \_\_\_\_\_

**Conditions to Avoid:** Temperatures >140°F, light, humidity

**Incompatibility:** Avoid oxidizing agents, reducing agents, acids, bases

**Decomposition:** Produces Carbon Dioxide, Carbon Monoxide.

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**Handling and Storage Information:**

Handling and Storage Precautions: Do not generate dust or expose to ignition sources. Ground and bond all transfer equipment. Milling /mixing/ drying should be performed in devices equipped with explosion relief or suppression systems, or under inert conditions. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing dust. When handling use proper personal protective equipment. Wash thoroughly after handling. Keep container tightly closed when not in use. Store out of direct sunlight in a cool, well ventilated place.

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**Leak/Spill Information:** Shut off source of the spill or leak if it is safe to do so. Scoop or shovel spilled material into a suitable labeled open head drum. Secure the drum cover and move the container to a safe holding area. Clean spill area thoroughly.

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**Disposal Information:** Dispose of in accordance with recommendations in Disposal recommendations.

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**Disposal Recommendations:** This material is suitable for incineration. these recommendations are based on the product as shipped. Use, processing, alteration, or contamination may affect these disposal recommendations. state, local or site restrictions affecting the available proper disposal options may vary.

**Empty Containers:** Empty containers must be triple rinsed prior to disposal, recycling, or reuse.

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**Health Hazard Information:**

**A. Exposure/Health Effects**

**Relevant Routes of Exposure:** Inhalation, Ingestion, Skin contact, Eye contact

**Target Organs:** Respiratory System, Gastrointestinal System, Renal system, Skeletal System

**Acute Effects**

**General:** May cause mucous membrane irritation (inflammation). May cause gastrointestinal effects such as nausea, vomiting, diarrhea, constipation, cramps, and loss of appetite.

**Skin Contact:** May cause skin irritation

**Eye contact:** May cause irritation

**B. First Aid:**

**Inhalation:** Remove to fresh air. If discomfort persists, get medical attention.

**Ingestion:** If large quantities of this material are swallowed, get medical attention immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

**Skin Contact:** Remove any contaminated clothing. Wipe off excess from skin. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Eye Contact:** Immediately flush eyes with plenty of water. If irritation persists, get medical attention.

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**C. Toxicity Data**

N/A

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**Occupational Control Measures:**

**Engineering Controls:** General room ventilation is adequate unless the process generates airborne dust or fumes.

**Respirator Types:** Half face, nontoxic Dust/Mist filter.

**Conditions for use:** Under normal conditions of use, respiratory protection is not expected to be necessary. Respiratory protection as recommended under excessively dusty conditions. OSHA considers effective engineering controls to be the primary means to control worker exposure. Respiratory protection should not substitute for feasible engineering controls.

**Glove Materials:** Any plastic or rubber glove.

**Conditions for Use:** Gloves recommended if there is any potential skin contact.

**Skin Protection:** Use protective clothing ( lab coats, disposable coveralls, etc.) in both production and laboratory areas.

**Eye Protection:** Safety glasses required, safety goggles recommended.

**Additional Protective Measures:** Provide safety showers and eyewash stations in the work area. Prevent the accumulation of dust in the work area by thorough periodic cleaning.

**Exposure Limits:** N/A

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**Transportation & Regulatory Information:**

Not DOT regulated.

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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.