

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

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Effective Date:** May 23, 1996  
**Product Name:** Compressed Ascorbic Acid  
**Chemical Name:** Vitamin C (as Ascorbic Acid, USP-FCC)  
Distilled mono and diglycerides  
**Chemical Family:** Vitamin  
**CAS No.:** Not Applicable

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**SECTION 2: PHYSICAL DATA**

**Physical Data:**

Appearance and Odor: Granular powder. Odorless.  
Solubility in water: Insoluble in cold or hot water.

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**SECTION 3: FIRE AND EXPLOSION DATA**

**Fire and Explosion Information:**

This product is: Non-flammable  
Auto ignition temperature: Not applicable.  
Flash point: This material does not burn or give a flash point by conventional test methods.  
Flammable limit: No data.  
Products of combustion: Some metallic oxides.  
Extinguishing Media: Do not use foam or carbon dioxide. Use a fog nozzle to spray water.  
Unusual Fire and Explosion Hazards: As with any finely granulated product, (i.e. flour) a risk of fire is present should the materials be dispersed in air and exposed to a source of ignition.

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**SECTION 4: REACTIVITY DATA**

**Reactivity Data:**

Stable   X   Unstable           

**Incompatibilities:** Avoid contact with oxidizers and reducing agents.

**Corrosivity:** No data

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**SECTION 5: HEALTH HAZARD DATA**

**Exposure Limits:**

TWA: 15 mg/m<sup>3</sup>  
% by Weight: 100

**Potential Acute Health Effects:**

Inhalation: Over-exposure by inhalation may cause respiratory irritation. This product may irritate eyes (conjunctivitis, retina) and skin upon contact.  
Ingestion: Not a normal exposure route, but could induce gastric problems.

**Potential Chronic Health Effects:**

Repeated inhalation of dust can produce varying degrees of respiratory irritation.

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**SECTION 6: FIRST AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes keeping eyelids open. Get medical attention.

**Skin Contact:** Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Get medical attention if irritation persists.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek medical attention if breathing difficulties persist.

**Ingestion:** Have conscious person drink several glasses of water or milk. Seek medical attention.

**Any Hazardous Contact:** Seek medical attention.

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Small Spill:** No special procedures are required for clean-up of spills or leaks of this material. Avoid methods that result in water pollution.

**Large Spill:** Use a shovel to put the material into a convenient waste-disposal container.

**Waste Disposal:** Consult your local or regional authorities.

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**SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

**Precautions:** Avoid contact with skin and eyes. Do not breath dust. Do not ingest.

**Storage:** Do not store in unlabelled containers. Empty containers may contain product residue. Do not reuse without adequate precautions.

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**SECTION 9: SPECIAL PROTECTION INFORMATION**

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure of airborne contaminants below the permissible limits.

**Personal Protection:** Wear safety glasses or chemical goggles. Wear protective clothing. Use approved respiratory clothing/coveralls. Use approved respiratory protection when airborne exposure limits are exceeded (dust mask/protective gloves).

**Exposure Limits:** twa (1993) 15 mg/m<sup>3</sup> 1-OSHA base on iron powder for total dust as Particulates Not Otherwise Regulated (PNOR).

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