

Section 1: Identification

Common Name/Trade Name	ASCORBIC ACID POWDER USP/NF	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Antiscorbutic factor L-Threoascorbic acid Vitamin C	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture.
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	No data available
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	Antiscorbutic factor L-Threoascorbic acid Vitamin C
Common Name	L-Ascorbic acid
CAS Number	50-81-7
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No ingredients are hazardous according to OSHA criteria. No component need to be disclosed according to the applicable regulations.
If Inhaled	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
In Case of Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
In Case of Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
If Swallowed	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Most Important Symptoms and Effects	No data available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray jet, dry powder, foam, carbon dioxide;
Special Hazards Arising From the Substance/Mixture	Severe dust explosion hazard;
Special PPE and/or Precautions for Firefighters	Wear self contained breathing apparatus for fire fighting if necessary. Precipitate gases/vapors/mists with water spray.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods and Materials Used for Containment	Collect solids (avoid dust formation) and hand over to waste removal; Rinse with plenty of water.
Cleanup Procedures	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions for Safe Handling	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.
Conditions for Safe Storage	Keep container tightly closed. Keep container in temperature of < 25°C, well-ventilated area. Air Sensitive Sensitive to light. Store in light- resistant containers.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Contains no substances with occupational exposure limit values.
Appropriate 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 to airborne contaminants below the exposure limit..
PPE - Eye/Face Protection	Safety glasses
PPE - Skin Protection	Lab coat. Gloves. Dust respirator
PPE - Body Protection	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product
PPE - Respiratory Protection	A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product

Section 9: Physical and Chemical Properties

Appearance	Form: Solid. (Crystals solid. Powdered solid.) White. White to slightly yellowish.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless.
Vapor Pressure	Not applicable.
Odor Threshold	Not available.
Vapor Density	No data available
pH	(1% soln /water): Not available.
Relative Density	No data available
Melting Point/Freezing Point	Melting point/range: 190 - 194 °C (374 - 381 °F)
Solubility	Soluble in water: 80% @ 100 deg. C & 45% @ 45 deg. C. Soluble in alcohol: 1g/30 ml alcohol. Soluble in absolute alcohol: 1 g/50 ml absolute alcohol. Soluble in glycerol: 1g/100 ml glycerol. Soluble in propylene glycol: 1 g/20 ml propylene glycol.
Initial Boiling Point and Boiling Range	190°C (374°F)
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Air and light sensitive. Aqueous solutions are rapidly oxidized by air, accelerated by alkalies, iron, copper.
Chemical Stability	Stable at room temperature under exclusion of humidity
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Heat, ignition sources, light, air, incompatible materials, dust generation, humidity.
Incompatible Materials	Reactive with oxidizing agents.
Hazardous Decomposition Products	No data available

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 11900 mg/kg(oral, rat); LD50 8000mg/kg(oral, mouse); LD 50 518 mg/kg(iv., mouse).
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data Available
Carcinogenicity OSHA	No data available
Reproductive Toxicity	May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data. Human: passes through the placenta, excreted in maternal milk.
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	No data available
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Treatment Methods Packaging	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

SARA 302 Components: SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards: No SARA Hazards. Massachusetts Right To Know Components: No components are subject to the Massachusetts Right To Know Act. Pennsylvania Right To Know Components: Ascorbic acid CAS No. 50-81-7. New Jersey Right To Know Components: Ascorbic acid CAS No. 50-81-7. California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Additional Information	
Prepared By	Lisa Russell
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