

Section 1: Identification

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| Additional Information | |
| Prepared By | Lisa Russell |
| Revision Date | 01/24/2019 12:02 |

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