



Section 1. Product and Company Identification

Product Name Magnesium Ascorbyl Phosphate
CAS Number 114040-31-2

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Not classified as a hazardous substance or mixture

GHS Label Elements
Pictograms: N/A
Signal word: None

Hazard and precautionary statements
N/A

Emergency Overview: Not Available. See product label for specific hazard warnings. See MSDS Section 3 - "Symptoms of Exposure" for health hazard information.

Appearance: Off-white to Yellow Powder. Odorless

Potential Health Effects (Acute and Chronic)

Symptoms of Exposure: Toxicity data not available.

Medical Condition Aggravated by Exposure: Asthma, emphysema, or other existing lung or respiratory disease.

Routes of Entry: Eye and skin contact, inhalation, and ingestion are anticipated as possible routes of exposure.

Carcinogenicity: This material is not known to cause cancer in humans or animals.

Section 3. Composition / Information on Ingredients

Common Name Magnesium Ascorbyl Phosphate
Synonym(s) Magnesium-L-Ascorbyl-2-Phosphate
CAS Number 114040-31-2

COMPONENT	CAS NUMBER	CONCENTRATION
Magnesium Ascorbyl Phosphate	114040-31-2	99%



Section 4. First Aid Measures

Emergency First-Aid

Eyes: Flush with copious amounts of water for fifteen minutes. Get medical attention if symptoms persist.

Skin: Remove excess material and wash affected skin with soap and water. Gently dry area with a clean towel.

Inhalation: Remove to uncontaminated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Induce vomiting if conscious and as directed by a physician. Never give anything by mouth to an unconscious person. Get medical attention.

Notes EMS: Emergency treatment information is not available for this product.

Section 5. Firefighting Measures

Flash Point: Not Ignitable.

Flammable Limits

LEL: Not Applicable

UEL: Not Applicable

Auto Ignition: Not Applicable

Extinguishing Media: Flood with water. Do not splash or spatter liquid or molten material.

Firefighting Procedures: Positive pressure self-contained breathing apparatus and structural firefighters' protective clothing as required for other materials present.

Fire & Explosion Hazards: Irritating or toxic gases, fumes, smoke, or particulates. Unusual fire and explosion hazards are not expected. Relative hazard is anticipated to be the same as normal combustible materials.

Section 6. Accidental Release Measures

Spill Response: Evacuate the area of all unnecessary personnel.

Wear suitable protective equipment listed under Exposure/Personal Protection.

Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards.

Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under Disposal. Comply with Federal, State and Local Regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.



Section 7. Handling and Storage

Handling & Storage: Keep container tightly closed and protected from direct sunlight and moisture. Protect against physical damage. Handle carefully.
Store away from incompatible materials. Avoid generating dust or vapors. Store, (+15 to 25°C), in original sealed containers.

Section 8. Exposure Controls / Personal Protection

Engineering Controls and Personal Protective Equipment

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection: Safety goggles or safety glasses are required. Impervious gloves made of chemically resistance materials and laboratory coat is suggested. Respirators must be worn when applicable Threshold Limit Value (TLV) or Permissible Exposure Limit (PEL) is exceeded.

Provide general mechanical and local exhaust ventilation.

Work/Hygienic Practices: Follow general industrial hygiene. Eye wash and safety shower should readily be available and wash thoroughly after handling.

Exposure Guidelines

OSHA - PEL: No data available

Section 9. Physical and Chemical Properties

Boiling Point (760 mmHg): Not Applicable.

Melting Point: Not Applicable

Specific Gravity (H₂O = 1): 1.76 g/cm³

Bulk Density: N/A

Vapor Pressure (mmHg): Not Applicable

Percent Volatile by Wt. (%): Not Applicable

Vapor Density (Air = 1): Not Applicable

Evaporation Rate (BuAc=1): Not Applicable

pH - Aqueous Solution: 7.0 to 8.5

Solubility in Water (20°C): 154 g/l

Appearance: Off-white to Yellow Powder, Odorless.

Section 10. Stability and Reactivity

Stability: Stable under normal conditions and use.

Hazardous Polymerization: Will not occur under normal conditions and storage.

Hazardous Decomposition: CO_x, PO₅, MGO_x

Conditions to Avoid: Heat and lighted areas.

Materials to Avoid: Acids; Bases; Oxidizers



Section 11. Toxicological Information

Toxicity Data

LD50 (oral, rat): > 2000 mg/kg

LD50 (dermal, rat): > 2000 mg/kg

Toxicological Findings: An evaluation of toxicological data on this material is currently unavailable. See Section 2 of this MSDS for an overview of known or anticipated health effects.

Section 12. Ecological Information

EPA Waste Numbers: N/A

Treatment: No applicable; material is a non-hazardous and non-regulated solid waste. Send bulk or containerized wastes of this material to a secure industrial landfill or thermal oxidation facility. Incineration is not recommended for inorganics. These methods are drawn from 40 CFR, Protection of Environment, and are to be applied only after thorough review of all applicable Methods of Treatment or Treatment Standards. The waste generator is advised to contract with a licensed Treatment, Storage and Disposal facility when arranging for final disposal and to consult state and local authorities to determine whether any additionally regulatory requirements need to be met.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT, IATA, IMDG

Proper Shipping Name: Not regulated

DOT Technical Name: Not required

UN Number: Not applicable.

Hazard Class: Not applicable

Subsidiary Risk: Not applicable

Packing Group: N/A

Other: Not applicable.

Section 15. Regulatory Information

TSCA Inventory: N/A

OSHA Specifically Regulated: N/A

TSCA Memo: The use of this material as a cosmetic is regulated by the Federal Food, Drug, and Cosmetic Act and is exempt from TSCA.

SARA Title III Hazard Categories: Acute Health



SARA CERCLA: No data available
OSHA SARA DeMinimis: No data available

HMIS Rating

Health: 1

Flammability: 0

Reactivity: 0

Protective Equipment: E

NFPA Rating

Health: 1

Flammability: 0

Reactivity: 0

Special Hazards: N/A

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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