



Section 1. Product and Company Identification

**Product Name** Magnesium Aspartate 20%  
**CAS Number** 7018-07-7

**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**

OSHA defined hazards - Combustible Dust

**GHS Label Elements**

**Pictograms:** N/A

**Signal word:** Warning

**Hazard and precautionary statements**

**Hazard Statements:** May form combustible dust concentrations in air

**Precautionary Statements**

**Response:** If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

**Prevention:** Avoid dust generation.

Wear protective gloves.

**Storage:** Store in a dry place. Store in a closed container.

**Disposal:** Dispose of contents in accordance with local, state, regional, and federal regulations.

**Ingredients of unknown toxicity:** 0%

**Hazards not Otherwise Classified:** No Data Available

Section 3. Composition / Information on Ingredients

**Common Name** Magnesium Aspartate 20%

**CAS Number** 7018-07-7

COMPONENT	CAS NUMBER	CONCENTRATION
Aspartic Acid	56-84-8	10 – 30%
Magnesium Oxide	1309-48-4	5 – 10%
Magnesium Aspartate	7018-07-7	60 – 100%



#### Section 4. First Aid Measures

**Ingestion:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.

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

**Inhalation:** If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

**Additional Information:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than the product may have occurred.

#### Section 5. Firefighting Measures

**Suitable Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing Media:** None known

**Fire-fighting Protective Actions:** Under normal use, no special measures are required. If extremely high levels are generated in ambient air, material can support combustion.

**Protective Equipment for Fire-fighters:** Fire-fighters should wear appropriate protective equipment.

#### Section 6. Accidental Release Measures

**Clean-up:** Spilled product should be removed immediately to avoid formation of dust. Remove by mechanical means (i.e. vacuuming). Dilute remainder with plenty of water (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

#### Recommended Personal Protective Equipment

**Skin Protection:** Impermeable gloves recommended.

**Eye Protection:** Safety glasses or goggles.

**Respiratory Protection:** None required under usual condition of use. In case of insufficient ventilation, wear suitable respiratory equipment. Follow OSHA respirator regulations found in 29 CFR 1910.134.

#### Section 7. Handling and Storage

**Handling:** Avoid formation of dust. Ensure good ventilation of the room when handling this product. Avoid splashing and high pressure washing.

**Storage:** Optimal storage conditions: Store product in original packaging in a cool, dry place. Avoid excessive exposure to heat, air and light.



Section 8. Exposure Controls / Personal Protection

**Occupational Exposure Limits**

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Aspartic Acid	N/A	N/A	N/A
Magnesium Oxide	N/A	N/A	N/A
Magnesium Aspartate	N/A	N/A	N/A

**Personal Protective Equipment:** N/A

**Recommended Personal Protective Equipment**

**Eye Protection:** Safety glasses or goggles.

**Skin Protection:** Impermeable gloves recommended.

**Respiratory Protection:** None required under usual condition of use. In case of insufficient ventilation, wear suitable respiratory equipment. Follow OSHA respirator regulations found in 29 CFR 1910.134.

**General Industrial Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**Engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Section 9. Physical and Chemical Properties

**Physical State:** N/A

**Color:** N/A

**Odor:** Characteristic

**Odor Threshold:** N/A

**Solubility:** N/A

**Partition Coefficient (Water/n-Octanol):** N/A

**VOC%:** N/A

**Viscosity:** N/A

**Specific Gravity:** 1

**Density (lbs/Gal):** N/A

**Pounds (per Cubic Foot):** N/A

**Flash Point:** N/A

**FP Method:** N/A

**pH:** N/A

**Melting Point:** N/A

**Boiling Point:** N/A

**Boiling Range:** N/A

**LEL:** N/A

**UEL:** N/A

**Evaporation Rate:** N/A



**Flammability:** N/A  
**Decomposition Temperature:** N/A  
**Auto-ignition Temperature:** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A

#### Section 10. Stability and Reactivity

**Stability:** Stable under normal storage conditions.  
**Hazardous Reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to Avoid:** None known.  
**Incompatible Materials:** None known.  
**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### Section 11. Toxicological Information

**Long Term Exposure:** No known immediate effects or critical hazards. No known delayed effects or critical hazards.

##### Potential Chronic Health Effects

**General:** No known significant effects or critical hazards.  
**Carcinogen:** No known significant effects or critical hazards.  
**Mutagenicity:** No known significant effects or critical hazards.  
**Teratogenicity:** No known significant effects or critical hazards.  
**Developmental Effects:** No known significant effects or critical hazards.  
**Fertility Effects:** No known significant effects or critical hazards.

**Acute Toxicity:** There is no data available.

**Additional Information:** Inhalation of dust may cause respiratory irritation and/or allergy in susceptible individuals.

#### Section 12. Ecological Information

**Persistence and Degradability:** Product is readily biodegradable  
**Bioaccumulative Potential:** No data available for product.  
**Mobility in Soil:** No data available for product.  
**Ecotoxicity:** No data available for product.

#### 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

**UN Number:** N/A  
**UN Proper Shipping Name:** Not regulated  
**DOT Classification:** Not regulated

Section 15. Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: Magnesium Aspartate

**Other Regulations**

**EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):** This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.)**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.)**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

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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