



Safety Data Sheet

Section 1 Product and Company Identification

Manufacturer

Elite Garden Wholesale

PO Box 386

Santa Barbara, CA 93102

United States of America

Phone: 805-965-4448 Fax: 805-965-4454

Emergency Phone Numbers

805-965-4448 Normal Business Hrs.

USA & Canada Chemtrec 800-424-9300

International Chemtrec 703-527-3887

Recommended Usage: Hydroponic Nutrient

Other Identifier: Mixture

Product Name: Elite CalMag 2-0-0

Section 2 Hazards Identification

Classification of the Mixture: Aqueous Solution

Most Important Hazards: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Classifications:

Eye Irritation Category 2A

Oxidizing Liquid Category 3

Signal Word: Warning!



Hazard Pictograms:

**Hazard Statements:**

Causes serious eye irritation.

May intensify fire; oxidizer.

Harmful if swallowed.

Precautionary Statements:**Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only with adequate ventilation. Do not eat, drink, or smoke when using this product.

Wear protective gloves, protective clothing, eye, and face protection.

Wash thoroughly after handling.

Keep only in original container

Keep out of reach of children

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Take any precaution to avoid mixing with combustibles.

Response

Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing before reuse.

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

If on skin: wash with plenty of water.

If swallowed, call a poison center/doctor if you feel unwell.

In case of fire: use agents recommended in section 5 for extinction.

Storage

Keep container tightly closed. Store in a well-ventilated place. Keep/store away from clothing/combustible materials.

Disposal

Dispose of contents/containers in accordance with local and national regulations.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP



Section 3 Composition Information on Ingredients

Ingredient	WT %	CAS #
Magnesium nitrate hexahydrate	10-20	13446-18-9
Calcium carbonate	10-20	471-34-1

To the knowledge of the supplier, there are no other ingredients in this product that are classified as hazardous.

Section 4 First Aid Measures

Eyes: Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Skin: Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Ingestion: Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Section 5 Fire Fighting Measures

Flash point (ASTM D92): Not Determined **Auto Ignition Temperature:** Not Determined

Suitable Extinguishing Media: Carbon Dioxide (CO₂), Dry powder, Foam, Alcohol-resistant foam, Water mist

Special firefighting measure: Contact with combustible material may cause fire. This material increases the risk of fire and may aid combustion. In a fire or if heated, a pressure increase will occur and the container may burst. Hazardous thermal decomposition products include Carbon Dioxide, Carbon monoxide, nitrogen oxides, and metal oxides/oxides.



Section 6 Accidental Release Measures

Personal Precautions/Procedures: Use PPE and ensure adequate ventilation.

Environmental Precautions: Should not be released into the environment. Do not contaminate water. Do not flush to surface water or sanitary sewer system.

Methods and Materials for Containment/Clean Up: Contain spillage, soak up with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Section 7 Handling and Storage

Handling and Storage Precautions:

Avoid heat, open flames, including pilot lights, and strong oxidizing agents.

Use explosion-proof ventilation to prevent vapor accumulation.

Ground all handling equipment to prevent sparking.

Avoid contact with eyes, skin, and clothing.

Wash thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Store in accordance with NFPA 430.

Section 8 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn (OSHA Respiratory Protection Standard 29 CFR 1910.134).

Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber, or viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.



Section 9 Physical and Chemical Properties

Color: brown/black	Appearance: Liquid	Specific Gravity: 1.1-1.3
pH 4.0-6.0	Solubility in Water: Soluble	
Vapor Pressure: Not Determined	%Volatile by Volume: Not Determined	
Evaporation Rate: Not Determined	Odor: none	
Vapor Density (air = 1): Not Determined	Boiling Point: ~100 °C	
Reactivity in Water: Not Reactive		

Section 10 Stability and Reactivity

Stability: The product is stable.

Conditions to avoid: Sources of ignition. Drying on clothing or other combustible materials may cause fire.

Incompatibility: Strong oxidizing or reducing agents.

Decomposition Products: Oxides of metals, nitrogen, carbon and hydrogen.

Hazardous Polymerization: Will not occur under normal storage conditions.

Section 11 Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eyes, and ingestion.

Potential Health Effects

Eye Effects: Can cause irritation, redness, burns, and tissue destruction.

Skin Effects: Can cause inflammation, and significant irritation.

Oral Effects: Gastrointestinal tract irritation, nausea, and vomiting if swallowed.

Inhalation Effects: May cause respiratory tract irritation.

Chronic Health Effects: No data available to indicate product or components present in Mixture are chronic health hazards.

Mutagenicity: Negative

Reproductive Effects: Not Determined

Teratogenicity: Not Determined

Sensitization: See Section 2

Toxicological Data: Not Determined



Section 12 Ecological Information

Not classified due to inadequate data available on this mixture. Highly recommend avoidance of release to the environment.

Section 13 Disposal Considerations

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Dispose of container by recycling or if permitted incineration.

Section 14 Transportation Information

Proper Shipping Name:	Aqueous Solution
Reportable Quantity (RQ):	N/A
Shipping Class:	65
DOT Identification Number:	Not Regulated
DOT Shipping Label:	N/A

Miscellaneous Notes: Special Provision 58, Concentration of Elite CalMag 2-0-0 at the minimum temperature encountered during normal transportation will not exceed 80% of the saturation limit.

Section 15 Regulatory Information

U.S. Federal Regulatory Information

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

Sara 311 Categories:

Acute Health Effects: Yes (magnesium nitrate hexahydrate)

Chronic Health Effects: Yes (magnesium nitrate hexahydrate)

Fire Hazard: Yes (magnesium nitrate hexahydrate)

Sudden Release of Pressure Hazard: No

Reactivity Hazard: Yes (magnesium nitrate hexahydrate)

EPA/TSCA Inventory: All components listed or exempted

EPA Classification Code: N/A

CERCLA: No components are subject to reporting.



Sara Title III-Section 313 Supplier Notification: Yes (magnesium nitrate hexahydrate)

WHMIS Classification: See Section 2.

Other Regulations:

Section 16 Other Information

NFPA Hazard Rating:

Health: 3 High

Flammability: 0 Negligible

Reactivity: 0 Negligible

SDS Dated: 3/11/2017

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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