



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	CaMg
OTHER MEANS OF IDENTIFICATION:	Hydroponic plant nutrient
RECOMMENDED USE:	Fertilizer
RESTRICTIONS ON USE:	None Known
SUPPLIER IDENTIFIER:	Athena Ag, Inc., 4626 Lenox Avenue, Jacksonville, FL 32205 Phone: 818.333.1818; Email : compliance@athenaag.com
EMERGENCY PHONE NUMBER:	800.424.9300

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Not classified as hazardous.
LABEL ELEMENTS:	None
SIGNAL WORD:	None
HAZARD STATEMENTS:	Not classified as hazardous.
PICTOGRAM: NONE / SIGNAL WORD: N/A:	(See Section 15)
PRECAUTIONARY STATEMENTS GENERAL:	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use.
PREVENTION:	P260: Do not breathe dust/vapor/ spray P264: Wash thoroughly P280: Wear eye protection, gloves
RESPONSE:	P305+P351+P338: IF IN EYES: Rinse cautiously with water several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353: IF ON SKIN (or hair). Rinse skin with water/shower. P321: For specific treatments see FIRST AID section on SDS or label.
STORAGE:	P410: Protect from sunlight.
DISPOSAL:	P501: Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION IN FINAL PRODUCT
Ammonium Nitrate	6484-52-2	3-5

SECTION 4: FIRST AID MEASURES

FOLLOWING INHALATION:

Breathing dust may cause irritation of mucus membranes, sneezing, and coughing. Move exposed person to fresh air. Consult a physician if irritation persists or for difficulty breathing.

FOLLOWING SKIN CONTACT:

Wash hands after use with warm water and soap. If irritation occurs flush skin with clean water. Get medical attention if irritation persists.

FOLLOWING EYE CONTACT:

May cause eye irritation. Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eyes. Get medical attention if irritation persists.

FOLLOWING INGESTION:

Give 2-4 cups of water to dilute. Do not give fluids by mouth if person is unconscious. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Use media appropriate for surrounding conditions.

UNSUITABLE EXTINGUISHING MEDIA:

None known.

COMBUSTION PRODUCTS:

None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None Known, substance not considered a fire or explosion hazard

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Decomposition products may include the following materials:
Carbon dioxide



Carbon monoxide
Nitrogen oxides
Metal oxide/oxides

SPECIFIC HAZARDS ARISING FROM THE PRODUCT:

None known.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wash hands after using.

ENVIRONMENTAL PRECAUTIONS:

Do not allow spills to enter waterway.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:

Sweep up spills or dilute with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed in a dry, cool location (0-35°C) and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

MATERIALS TO AVOID:

Avoid strong acids and oxidizing agents.



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATION EXPOSURE LIMITS:

None known

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts.

SKIN PROTECTION:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

RESPIRATORY PROTECTION:

Should not be needed under normal conditions. Use with adequate ventilation. NIOSH-approved respirator when in contact with dust, mists or vapor.

WORK PRACTICES:

Use standard safe work procedures. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Amber
PHYSICAL STATE:	Liquid
ODOR:	Sweet/odorless
ODOR THRESHOLD:	Not available
SPECIFIC GRAVITY (H₂O=1):	1.09-1.13
RELATIVE DENSITY:	1.09-1.13
pH:	3.2-4.2
MELTING/FREEZING POINT:	~1°C
INITIAL BOIL POINT/RANGE:	Not available
FLASH POINT:	Not available
EVAPORATION RATE:	Not available
FLAMMABILITY (SOLID, GAS):	Not available
UPPER/LOWER FLAMMABILITY OR EXPOSURE LIMITS:	Not available
VAPOR PRESSURE:	Not available
VAPOR DENSITY (AIR=1):	Not available
SOLUBILITY:	No available
PARTITION COEFFICIENT, N-OCTANOL/WATER (LOG/KOW):	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY & CHEMICAL STABILITY:

This product is stable and non-reactive under normal conditions of storage, use and transport.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Open flames or other high-temperature sources. Which might induce thermal decomposition.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions hazardous decomposition products should not be produced.



SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGICAL DATA:	No components are considered toxic.
LIKELY ROUTES OF EXPOSURE:	Dermal, Ingestion, Inhalation.
INHALATION:	May cause respiratory tract irritation.
SKIN CONTACT:	May irritate skin.
EYE CONTACT:	Eye irritation.
INGESTION:	May be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

ECO TOXICITY:	Non-toxic.
PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority Requirements. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

US DOT	Not regulated as hazardous material
IMO	Not regulated as hazardous material
IATA	Not regulated as hazardous material
RID/ADR	Not regulated as hazardous material
Canadian TDG	Not regulated as hazardous material

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS**CANADA - DOMESTIC SUBSTANCES LIST (DSL) / NON-DOMESTIC SUBSTANCES LIST (NDSL):**

All ingredients are either listed on the DSL/NDSL or exempt.

**USA - TOXIC SUBSTANCES CONTROL ACT (TSCA):**

TSCA Inventory List: All components are listed or exempted.
 US EPA CERCLA RQ: No products were found

SARA TITLE III SECTION EXTREMELY HAZARDOUS SUBSTANCE:

Section 304 EHS RQ: No products were found
 Section 302 TPQ: No products were found

SARA TITLE III SEC. 311/312:

Hazard category: NA
 US. EPA EPCRA Section 313 listed: No products were found
 Threshold quantity
 (processed or manufactured): N/A
 Threshold quantity
 (otherwise used): N/A
 Canadian WHIMIS Classification: Not regulated

CALIFORNIA PROP 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.



STRAIGHT LIQUID INORGANIC
 MACRONUTRIENT FERTILISER
¹CMC1: VIRGIN MATERIAL
 SUBSTANCES AND MIXTURES

SECTION 16: OTHER INFORMATION

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