Coastal AgroBusiness, Inc.

Safety Data Sheet

SDS Number: 11184
SDS Prepared: 02/27/2017
SDS Version: 1.3
Version Date: 06/18/2026

CCS 2.5% Magnesium

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CCS 2.5% Magnesium

CHEMICAL NAME: Chelated 2.5% Magnesium Solution

EPA REGISTRATION NUMBER: Not Regulated

Manufactured by:
Coastal AgroBusiness, Inc.
PO Box 856
Greenville, NC 27835
Phone: 1-800-635-1388

Emergency Telephone Numbers
Chemtrec (24 hours)
1-800-424-9300
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Skin Irritant 2	H315
Eye Irritant 2A	H319
STOT SE 3 Respiratory Tract Irritation	H335

LABEL ELEMENTS

GHS-US Labeling

Hazard Pictogram (GHS-US)



GHS07

SIGNAL WORD (GHS-US)

WARNING

HAZARD STATEMENTS (GHS-US)

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.
P203 - Obtain, read, and follow all safety instructions before use.
P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER or doctor if you feel unwell.
P321 - Specific treatment (see section 4 on this SDS).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed and cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	GHS-US Classification
Water	Proprietary	7732-18-5	NOL/NOL
Magnesate(2-), [[*N*,*N*′-1,2-ethanediylbis[*N*-[(carboxy-κ*O*)methyl]glycinato-κ*N*,κ*O*]](4-)]-, potassium (1:2), (*OC*-6-21)-	Proprietary	15708-48-2	Skin Irritant 2, H315 Eye Irritant 2A, H319 STOT SE 3 Respiratory Tract Irritation, H335

The specific chemical identity and/or exact composition percentage have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]. In the event of an emergency, chemical identities and exact percentages of the proprietary ingredients may need to be disclosed to emergency personnel upon request.

4. FIRST AID MEASURES

EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

SKIN: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

INGESTION: Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

INHALATION: When symptoms occur, go into the open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): No data available

FLAMMABLE LIMITS (LFL & UFL): No data available.

EXTINGUISHING MEDIA: Water spray, fog, alcohol-resistant foam, dry chemical, and CO_2. Use extinguishing media appropriate for the surrounding fire. Do not use a heavy water stream as it may spread the fire.

HAZARDOUS COMBUSTION PRODUCTS: Corrosive vapors, carbon monoxide, carbon dioxide, nitrogen oxides, explosive hydrogen gas, and magnesium oxides.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained positive-pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Clear fire area of unprotected personnel. Cool fire-exposed containers with water or fog. Attack from upwind.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered flammable, but may burn at high temperatures. The product is not explosive. Hazardous reactions will not occur under normal conditions.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT: Contain any spills with dikes or absorbents to prevent migration and entry into sewers, streams, or public waters.

CLEANING UP: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact the proper authorities after a spill. Ensure the cleanup crew has appropriate personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and when leaving work. Avoid breathing vapors, mist, or spray. Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety procedures.

STORAGE: Keep container closed when not in use. Store in a cool, dry place. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:	For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency, including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).
SIGNS AND SYMPTOMS OF EXPOSURE:	Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. After exposure: Irritation of the respiratory tract and other mucous membranes. Skin redness, pain, swelling, itching, burning, dryness, and dermatitis. Severe eye irritation with redness and swelling of the conjunctivae. Ingestion may cause adverse effects.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
PRIMARY ROUTES OF ENTRY:	Dermal and inhalation
ENGINEERING CONTROLS:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Use adequate exhaust ventilation to prevent inhalation of product vapors.
EMERGENCY PERSONNEL PROCEDURES:	Ensure the cleanup crew has appropriate personal protective equipment. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.
NON-EMERGENCY PERSONNEL PROCEDURES:	Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel.
RESPIRATORY PROTECTION:	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen-deficient atmosphere, or where exposure levels are not known, wear approved respiratory protection.
EYE PROTECTION:	Wear full-face shield or chemical safety goggles when handling.
SKIN PROTECTION:	Use impervious gloves and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND PHYSICAL STATE:	Slightly yellow liquid
ODOR:	Slight ammonia
SPECIFIC GRAVITY (Water=1):	1.2 - 1.24
VAPOR PRESSURE:	No data available
VAPOR DENSITY (Air = 1):	No data available
% VOLATILITY (V/V):	No data available
BOILING POINT:	222.8°F (106°C)
MELTING POINT:	No data available
SOLUBILITY:	Completely miscible
pH:	7.5 - 8.5
VISCOSITY @ 68°F (20°C):	No data available

Note: These physical data are typical values based on material tested, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable under recommended handling and storage conditions in Section 7.
CONDITIONS TO AVOID: Direct sunlight, extremely high or low temperatures, and incompatible materials.
INCOMPATIBILITY: Strong acids, bases, and oxidizing agents.
REACTIVITY: Will not occur under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: None known
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD_{50}: Not classified
ACUTE DERMAL LD_{50}: Not classified
ACUTE INHALATION LC_{50}: Not classified
EYE IRRITATION: Causes serious eye irritation.
CARCINOGENIC POTENTIAL: Not classified
SKIN IRRITATION/SENSITIZATION: Causes skin irritation. Not a skin sensitizer.
SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE (STOT SE): May cause respiratory irritation.

12. ECOLOGICAL INFORMATION

TOXICOLOGY
Ecology - General: Not classified
PERSISTENCE AND DEGRADABILITY
Persistence and Degradability: Not established
BIOACCUMULATIVE POTENTIAL
Bioaccumulative Potential: Not established
MOBILITY IN SOIL: No additional information available
OTHER ADVERSE EFFECTS
Other Information: Avoid release to the environment

13. DISPOSAL CONSIDERATIONS

Do not reuse container.
Waste Disposal Methods: Dispose of contents/container in accordance with local, regional, national, and international regulations. The container may remain hazardous when empty. Continue to observe all precautions. Avoid release to the environment.

14. TRANSPORTATION INFORMATION

IN ACCORDANCE WITH DOT, IMDG, IATA: Not regulated for transport by USDOT as a hazardous material.
FREIGHT CLASSIFICATION: Liquid Fertilizer NOIBN
NMFC No. 68100 Class 50

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS
SARA, Section 311/312 Hazard Classes: Immediate (acute) health hazard
TSCA Inventory: Magnesate(2-), [[*N*,*N*′-1,2-ethanediylbis[*N*-[(carboxy-κ*O*)methyl]glycinato-κ*N*,κ*O*]](4-)]-, potassium (1:2), (*OC*-6-21)- (15708-48-2)
US STATE REGULATIONS: Neither this product nor its chemical components appear on any US state lists.

16. OTHER INFORMATION

SDS STATUS:	Updated
REASON FOR CHANGE:	Updated Technical Information
PREPARED BY:	Emma Simpson, Product Development Specialist - Chemist

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Coastal AgroBusiness, Inc. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.

CCS 2.5% MAGNESIUM
COASTAL CHELATED SOLUTIONS