

Safety Data Sheet

ReliaQuest 2.5% Magnesium EDTA

SDS Prepared: 10/08/2025

SDS Version: 1.0

Version Date: 10/08/2025

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ReliaQuest 2.5% Magnesium EDTA

CHEMICAL NAME: Chelated 2.5% Magnesium EDTA Solution

EPA REGISTRATION NUMBER: Not Regulated

Manufactured by:

Reliant Ag Solutions, LLC
2230 Carolina Leaf Road
Greenville, NC 27834
Phone: 1-833-618-9691

Emergency Telephone Numbers

Chemtrec (24 hours)
1-800-424-9300
Reliant Ag Solutions, LLC (Weekdays – Eastern Standard Time)
1-833-618-9691

2. HAZARDS IDENTIFICATION SUMMARY

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Skin Irritant 2	H315
Eye Irritant 2A	H319
Acute Toxicity - Oral 5	H303

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.
H303 - May be harmful if swallowed.

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.
P203 - Obtain, read, and follow all safety instructions before use.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 - Rinse mouth.

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.
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
Magnesium disodium EDTA	Proprietary	14402-88-1	Skin Irritant 2, H315 Eye Irritant 2A, H319 Acute Toxicity Oral 5, H303

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 CO₂. 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 competent authorities after a spill. Equip the cleanup crew with proper protection.

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 dry, cool 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 be harmful if swallowed. After exposure: 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 and skin 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 ingestion
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:	Equip the cleanup crew with proper protection. 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:	No data available
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 POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD ₅₀ :	May be harmful if swallowed.
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.

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

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

Magnesium disodium EDTA (14402-88-1)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

US STATE REGULATIONS: Neither this product nor its chemical components appear on any US state lists.

16. OTHER INFORMATION

SDS STATUS: New
REASON FOR CHANGE: New Product
PREPARED BY: Emma Simpson, Chemist

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