

Safety Data Sheet

ReliaSol 6% Magnesium

SDS Prepared: 05/12/2025

SDS Version: 1.1

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ReliaSol 6% Magnesium

CHEMICAL FAMILY: Inorganic Salt

SYNONYMS: Magnesium

COMMON NAME: Liquid Magnesium

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

Not classified

LABEL ELEMENTS

GHS-US Labeling

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, and eye protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P350 - IF ON SKIN: Wash with plenty of soap and 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.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:
Magnesium Nitrate

Percentage by Weight:
Proprietary

CAS No.
13446-18-9

PEL/TLV
NOL/NOL

4. FIRST AID MEASURES

EYES:	Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface.
SKIN:	Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.
INGESTION:	Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
INHALATION:	Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if a qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	No data available
FLAMMABLE LIMITS (LFL & UFL):	No data available.
EXTINGUISHING MEDIA:	Foam, CO ₂ , Dry Chemical, and Water; Class BC, ABC Fire extinguisher.
HAZARDOUS COMBUSTION PRODUCTS:	None known. During a fire, gases hazardous to health may be formed.
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. Attack from upwind.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None noted

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT:	Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.
CLEANING UP:	Control and contain. Dike the spill to minimize contaminated area and facilitate salvage or disposal. Recover material for use, reprocessing, or disposal.
CAUTION:	Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and when leaving work.
STORAGE:	Store in the original container, tightly closed. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT:	NOL
SIGNS AND SYMPTOMS OF EXPOSURE:	Irritation of the skin and eyes. Contact with eyes is painful and irritating. Overexposure: Prolonged skin contact may cause moderate irritation.
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
ENGINEERING CONTROLS:	Use adequate exhaust ventilation to prevent inhalation of product vapors.
RESPIRATORY PROTECTION:	None required with adequate ventilation. Use NIOSH-approved respiratory protection equipment if misty conditions exist.
EYE PROTECTION:	Avoid contact with eyes. Wear full-face shield or chemical splash goggles when handling. Do not wear contact lenses.
SKIN PROTECTION:	Avoid contact with skin. USDA-accepted nitrile or neoprene rubber gloves are recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND PHYSICAL STATE:	Colorless to light yellow liquid
ODOR:	Slight musty
SPECIFIC GRAVITY (Water=1):	1.33 - 1.37
VAPOR PRESSURE:	0.03 atm
VAPOR DENSITY (Air = 1):	1
% VOLATILITY (V/V):	35.0%
BOILING POINT:	222°F (105.5°C)
MELTING POINT:	Not determined
SOLUBILITY:	Completely miscible in water
pH:	5.5 - 6.5
VISCOSITY @ 77°F (25°C):	≈ 1.2 cps

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
CONDITIONS TO AVOID:	Contact with incompatible materials.
INCOMPATIBILITY:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	None known
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	>5000 mg/kg. Not classified
ACUTE DERMAL LD₅₀:	>5000 mg/kg. Not classified
ACUTE INHALATION LC₅₀:	May temporarily irritate the nasal passages and upper respiratory tract.
EYE IRRITATION:	Direct contact with the eyes may cause temporary irritation.
CARCINOGENIC POTENTIAL:	This product is not carcinogenic, teratogenic, or mutagenic as determined by OSHA, NTP, or IARC. Danger of methemoglobin formation.
SKIN IRRITATION/SENSITIZATION:	May cause irritation.

12. ECOLOGICAL INFORMATION

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Waste Disposal Methods: Dispose of in accordance with Local, State, and Federal regulations. Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted treatment facilities is recommended. Material collected with absorbent may be disposed of in a permitted landfill in accordance with Federal, State, and Local regulations. Triple rinse container and dispose of in accordance with all Local, State, and Federal regulations or offer for recycling.

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**NFPA & HMIS Hazard Ratings:**

<u>NFPA</u>		<u>HMIS</u>	
1 Health	0 Reactivity	1 Health	0 Reactivity
0 Flammability		0 Flammability	C PPE

SARA Hazard Notification/Reporting**SARA Title III Hazard Category:**

Immediate: <u>Y</u>	Fire: <u>N</u>	Sudden Release of Pressure: <u>N</u>
Delayed: <u>N</u>	Reactive: <u>N</u>	

Reportable Quantity (RQ) under U.S.

None

CERCLA:**SARA, Title III, Section 313:**

Contains no chemical subject to SARA 313

SARA, Title III, Section 302:

EHS: None
TPQ: 10,000 lbs.

RCRA Waste Code:

Not listed

CA Proposition 65:

Not listed

16. OTHER INFORMATION**SDS STATUS:**

Updated

REASON FOR CHANGE:

Updated Emergency Contact

PREPARED BY:

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