

## Safety Data Sheet

# NutriSol 6% Magnesium

SDS Number: 111188  
SDS Prepared: 12/15/2023  
SDS Version: 1.1  
Version Date: 04/03/2025

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** NutriSol 6% Magnesium

**CHEMICAL FAMILY:** Inorganic Salt

**SYNONYMS:** Magnesium

**COMMON NAME:** Liquid Magnesium

**EPA REGISTRATION NUMBER:** Not Regulated

**Manufactured by:**  
Reliant Ag Solutions, LLC  
PO Box 856  
Greenville, NC 27835  
Phone: 1-800-635-1388

**Emergency Telephone Numbers**  
Chemtrec (24 hours)  
1-800-424-9300  
Reliant Ag Solutions, LLC (Weekdays – Eastern Standard Time)  
1-800-635-1388

### 2. HAZARDS IDENTIFICATION SUMMARY

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

##### GHS-US Classification

Acute Toxic 5 (Oral)	H303
Acute Toxic 5 (Dermal)	H313

#### LABEL ELEMENTS

##### GHS-US Labeling

#### SIGNAL WORD (GHS-US)

#### HAZARD STATEMENTS (GHS-US)

#### PRECAUTIONARY STATEMENTS (GHS-US)

##### Warning

H303 – May be harmful if swallowed

H313 – May be harmful in contact with skin

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+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.

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.

P405 - Store locked up.

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

#### OTHER HAZARDS

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### UNKNOWN ACUTE TOXICITY (GHS-US)

No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Magnesium Nitrate		13446-18-9	NOL/NOL

### 4. FIRST AID MEASURES

<b>EYES:</b>	Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.
<b>SKIN:</b>	Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.
<b>INGESTION:</b>	Give large amounts of water and induce vomiting. Get immediate medical attention. Never induce vomiting or give anything by mouth to an unconscious person.
<b>INHALATION:</b>	Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

<b>FLASH POINT (°F/Test Method):</b>	Not Available
<b>FLAMMABLE LIMITS (LFL &amp; UFL):</b>	Not Available
<b>EXTINGUISHING MEDIA:</b>	Foam, CO <sub>2</sub> , Dry Chemical, and Water; Class BC, ABC Fire extinguisher
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None known. During fire, gases hazardous to health may be formed.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	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.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None noted

### 6. ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

**Small spills:** Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.

**Large Spills:** 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

<b>HANDLING:</b>	Observe good industrial hygiene practices.
<b>STORAGE:</b>	Store in original tightly closed container. Store away from incompatible materials.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>THRESHOLD LIMIT VALUE:</b>	NOL
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<b>PERMISSIBLE EXPOSURE LIMIT:</b>	NOL
<b>SIGNS AND SYMPTOMS OF EXPOSURE:</b>	Irritation of skin and eyes. Contact with eyes is painful and irritating. Overexposure: Prolonged skin contact may cause moderate irritation. May cause severe eye injury.
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>	Preexisting eye and skin disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
<b>PRIMARY ROUTES OF ENTRY:</b>	Dermal
<b>ENGINEERING CONTROLS:</b>	Use adequate exhaust ventilation to prevent inhalation of product vapors.
<b>RESPIRATORY PROTECTION:</b>	None required with adequate ventilation. Use NIOSH-approved respiratory protection equipment if misty conditions exist.
<b>EYE PROTECTION:</b>	Avoid contact with eyes. Wear full face shield or chemical splash goggles when handling. Do not wear contact lenses.
<b>SKIN PROTECTION:</b>	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

<b>APPEARANCE AND ODOR:</b>	Colorless to light yellow., odorless
<b>SPECIFIC GRAVITY: (Water=1):</b>	1.35
<b>VAPOR PRESSURE:</b>	0.00001 hPa estimated
<b>VAPOR DENSITY (Air = 1):</b>	Not Available
<b>% VOLATILITY (V/V):</b>	68%
<b>BOILING POINT:</b>	222°F
<b>MELTING POINT:</b>	Not determined
<b>SOLUBILITY:</b>	Completely miscible in water
<b>pH:</b>	5.5 – 6.5 (10% aqueous solution)
<b>VISCOSITY @ 20°C:</b>	1-10 CPS @ 21°C

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

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	Contact with incompatible materials
<b>INCOMPATIBILITY:</b>	Strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	No hazardous decompositions are known
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE ORAL LD<sub>50</sub>:</b>	LD <sub>50</sub> >5000 mg/kg
<b>EYE IRRITATION:</b>	Direct contact with eyes may cause temporary irritation
<b>INHALATION LC<sub>50</sub>:</b>	May irritate nasal passages and upper respiratory tract.
<b>CARCINOGENETIC POTENTIAL:</b>	This product is not carcinogenic teratogenic or mutagenic as determined by OSHA, NTP, or IARC. Danger of methemoglobin formation.
<b>ACUTE DERMAL LD<sub>50</sub>:</b>	LD <sub>50</sub> >5000 mg/kg
<b>SKIN IRRITATION/SENSITIZATION:</b>	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. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

**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

**D.O.T. Shipping Description:** NOT REGULATED BY DOT BY HIGHWAY.  
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

## 15. REGULATORY INFORMATION

### NFPA & HMIS Hazard Ratings:

#### NFPA

1 Health  
0 Flammability  
0 Reactivity

#### HMIS

1 Health  
0 Flammability  
0 Reactivity  
C PPE

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

Immediate: Y                      Fire: N  
Delayed: N                      Reactive: N  
Sudden Release of Pressure: N  
None

### Reportable Quantity (RQ) under U.S. CERCLA:

SARA, Title III, Section 313:

SARA, Title III, Section 302:

EHS  
TPQ

Contains no chemical subject to SARA 313

RCRA Waste Code:

CA Proposition 65:

None  
10,000 lbs  
Not listed  
Not listed

## 16. OTHER INFORMATION

**SDS STATUS:**

Updated

**REASON FOR CHANGE:**

Updated GHS Statement

**PREPARED BY:**

Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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