

# SAFETY DATA SHEET

## Big Bend Agri-Services, Inc.



Version 1.0  
Print Date 11/2/16

### 1. Identification

**Product Name:** Nitro-Mag Magnesium  
**Synonyms:** None  
**Product Use:** Inorganic Fertilizer  
**Manufacturer/Supplier:** Big Bend Agri-Services, Inc.  
**Address:** 328 1<sup>st</sup> Ave NE Cairo, GA 39828  
**Phone:** 800.321.7709  
**Emergency contact:** ChemTel 800.255.3924

### 2. Hazard Identification

**Signal Word:** Warning  
**Skin Irritation:** Prolonged or repeated contact will irritate skin.  
**Eye Irritation:** Contact with liquid will irritate eyes.  
**Acute Toxicity Oral:** Not tested. Components are not considered to be acutely toxic.  
**Acute Toxicity Dermal:** No data available  
**Hazard Categories:** Oral/Dermal/Inhalation Toxicity - 4/5/3; Eye Irritation - 2A; Skin Irritation - 2  
**Hazard Statement:** May be harmful if swallowed.  
May be harmful in contact with skin.  
Causes serious eye irritation.  
Causes mild skin irritation.  
May be harmful if inhaled.



### 3. Composition / Information on Ingredients

**Component:** Blend of plant nutrients derived from Magnesium Nitrate.

**GUARANTEED ANALYSIS:**

Nitrogen (N): 7.00%  
7.00% Nitrate Nitrogen (N)  
Magnesium (Mg): 6.00%  
6.00% Water Soluble Magnesium (Mg)  
**CAS Number:** Proprietary  
**Weight %:** 100.00

#### 4. First Aid Measures

**Eye:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation continues.

**Inhalation:** Move to fresh air. Obtain medical attention if irritation develops.

**Ingestion:** Drink large volumes of water. Call a physician or poison control center.

**Indication of Immediate Medical Attention and Special Treatment Needed:** In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

#### 5. Fire Fighting Measures

**Extinguishing Media:** Non-combustible product. Use extinguishing media for underlying cause of fire.

**Specific Hazards Arising from the Chemical:** Product may release toxic fumes and oxides of carbon.

**Special Fire Fight Proc:** Wear positive-pressure self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

#### 6. Accidental Release Measures

**Personal Precautions:** Avoid contact with skin and eyes. Keep unnecessary personnel out of area.

**Protective Equipment:** NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splash-proof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

**Emergency Procedures:** Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.

**Methods and Materials for Containment and Cleanup:** Contain spill. If uncontaminated, collect and reuse product. If contaminated, absorb on sand or clay and place in a recovery drum for proper disposal.

#### 7. Handling and Storage

**Precautions for Safe Handling:** Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash water or spray waste. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.

**Conditions for Safe Storage:** Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Use within 6 months of purchase date. Store unblended in original containers.

#### 8. Exposure Controls / Personal Protection

**TLV/PEL:** Not established

**Appropriate Engineering Controls:** Local exhaust should be sufficient.

**Personal Protective Equipment:** NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splash-proof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

#### 9. Physical and Chemical Properties

**Odor/Appearance:** Clear to slightly yellow liquid with no odor.

**Flash Point, °F:** Not flammable

**Boiling Point, °F:** Not applicable

**Melting Point (Freezing point), °C:** <32 Degrees F

**Vapor Pressure, mm Hg @ 20° C:** Not applicable

**Vapor Density:** Not applicable

**Solubility in Water:** Soluble

**Molecular Formula:** Not applicable, formulated mixture.

**Specific Gravity:** 1.34

**pH:** 5.5-6.5

**Flammable Limits (approximate volume % in air):** Not applicable

**Auto-ignition Temperature:** Not applicable

**Decomposition temperature:** No information found

## 10. Stability and Reactivity

**Reactivity:** No information found

**Chemical Stability:** Stable

**Hazardous Decomposition Products:** Product may release ammonia and carbon dioxide under fire conditions.

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** Avoid high temperatures above 105 Degrees F., or greater acid contamination.

**Incompatible Materials:** Avoid mixing or intimate contact with strongly acidic materials.

## 11. Toxicological Information

**Acute Toxicity (Oral LD50):** No information found

**Acute Toxicity (Dermal LD50):** No information found

**Acute Toxicity Inhalation LC50:** No information found

**Likely Routes of Exposure:** Skin, eyes, inhalation

**Skin Irritation:** Prolonged or repeated contact may irritate slightly.

**Eye Irritation:** Liquid contact may irritate slightly. If mist is formed, it may also irritate slightly.

**Skin Sensitization:** No information found

**Carcinogenic:** Not listed by IARC, NTP or OSHA.

**Chronic Effects:** None currently known.

**Other Hazards:** None currently known.

## 12. Ecological Information

**Eco-toxicity:** No information found

**Persistence and Degradability:** No information found

**Bio-accumulative Potential:** No information found

**Mobility in Soil:** No information found

**Other Adverse Effects:** May promote eutrophication in waterways if large spills occur.

### 13. Disposal Considerations

**Waste Disposal Method:** This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act. Product may be recovered and applied to the soil as a fertilizer source on crop land using professional best management practices.

### 14. Transport Information

**UN Proper Shipping Name:** Not regulated by DOT, IATA or IMDG.

**Transport Hazard Class:** Not designated as a dangerous substance.

**UN Identification Number:** None

**Packaging Group:** None

**Environmental Hazards:** No information found

**Transport in Bulk:** No information found

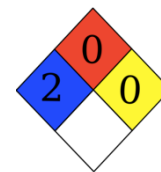
**Special Precautions for Transportation:** No information found

**Freight Classification:** Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

### 15. Regulatory Information

**National Fire Protection Association Rating:**

**Health: 2      Fire: 0      Reactivity: 0**  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)



**S.A.R.A Title III Hazard Classification (Yes/No):** N

**Immediate (Acute) Health:** Y

**Delayed (Chronic) Health:** N

**Sudden Release of Pressure:** N

**Fire:** N

**Reactive:** N

### 16. Other Information

**Date of Preparation/Revision:** November 2, 2016

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**End of SDS**