SAFETY DATA SHEET

Big Bend Agri-Services, Inc.

Version 1.0
Print Date 11/2/16

1. Identification

Product Name: Nitro-Pecan Plus

Synonyms: None

Product Use: Inorganic Fertilizer

Manufacturer/Supplier: Big Bend Agri-Services, Inc.

Address: 328 1st Ave NE Cairo, GA 39828

Phone: 800.321.7709

Emergency contact: ChemTel 800.255.3924

2. Hazard Identification

Signal Word: Danger

Skin Irritation: Causes severe skin burns.

Eye Irritation: Causes severe eye damage.

Acute Toxicity Oral: May be harmful if swallowed.

Acute Toxicity Dermal: May be harmful in contact with skin.

Hazard Categories: Oral/Dermal/Inhalation Toxicity 5/4/5
Eye irritation – 1
Skin irritation – 1C

Hazard Statement: Harmful if swallowed.
May be harmful in contact with skin.
Causes serious eye damage.
Causes severe skin burns.
Harmful if inhaled.
May intensify fire. Oxidizer.

3. Composition / Information on Ingredients

Component: Blend of plant nutrients derived from Magnesium Nitrate, Boric Acid, Copper Sulfate, Manganese Nitrate, Zinc Nitrate.

GUARANTEED ANALYSIS:

Nitrogen (N): 5.00%
5.00% Nitrate Nitrogen (N)
Magnesium (Mg): 1.00%
1.00% Water Soluble Magnesium (Mg)
Boron (B): 0.10%
0.10% Boron

Copper (Cu): 0.25%
0.25% Water Soluble Copper (Cu)
Manganese (Mn): 0.50%
0.50% Water Soluble Manganese (Mn)
Zinc (Zn): 10.00%
10.00% Water Soluble Zinc (Zn)
Contains Non-Plant Food Ingredients:
Fulvic Acid: 1.00%
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: Use water. Do not use dry chemicals or foam. CO_2 or halon may provide limited control.

Specific Hazards Arising from the Chemical: Product may behave as an oxidizer under fire conditions. In contact with oxidizable substances, ignition, violent combustion or explosion could occur.

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: Product may react vigorously with alkaline materials. 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. No respiratory protection is normally needed.

9. Physical and Chemical Properties

Odor/Appearance: Clear, colorless liquid with slight burning odor.

Flash Point, ºF: Not flammable

Boiling Point, ºF: Not applicable

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

Vapor Pressure, mm Hg @ 20º C: Not applicable

Vapor Density: Not applicable

Solubility in Water: Soluble

Molecular Formula: Not applicable, formulated mixture.

Specific Gravity: 1.6

pH: 1.5-1.8 corrossive

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

Auto-ignition Temperature: Not applicable

Decomposition temperature: No information found

10. Stability and Reactivity

Reactivity: May react vigorously with alkaline materials.

Chemical Stability: Stable

Hazardous Decomposition Products: Product may release nitrogen oxides 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 alkaline materials.

11. Toxicological Information

Acute Toxicity (Oral LD50): Ingestion causes corrosive damage to GI tract.

Acute Toxicity (Dermal LD50): No information found.

Acute Toxicity Inhalation LC50: Inhalation causes irritation to nose and throat.

Likely Routes of Exposure: Skin, eyes, ingestion

Skin Irritation: Causes severe skin burns.

Eye Irritation: Causes severe eye damage.

Skin Sensitization: Not listed as a skin sensitizer.

Carcinogenic: Not listed by IARC, NTP or OSHA.

Chronic Effects: None currently known.

Other Hazards: None currently known.

Long Term Effects: Prolonged exposure to manganese compounds may cause manganese poisoning.

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: No information found

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 by using professional best management practices.

14. Transport Information

UN Proper Shipping Name: Zinc Nitrate Solution

Transport Hazard Class: Oxidizer 5.1

UN Identification Number: UN 1514

Packaging Group: PG II

Environmental Hazards: No information found

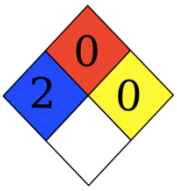
Transport in Bulk: No information found

Special Precautions for Transportation: ERG #140

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: Y

Reactive: N

16. Other Information

Date of Preparation/Revision: November 2, 2016

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End of SDS