

## SAFETY DATA SHEET


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### Section 1 – IDENTIFICATION

<u>PRODUCT IDENTIFIER:</u> <u>OTHER MEANS OF IDENTIFICATION:</u>	<b>SymTRX™ Organic-Complexed Multi-Nutrients</b> Organic Complexed Ammonium Sulfate and Ammonium Iron Sulfate, Ammonium Phosphate, Ammonium Sulfate, Ammonium Ferrous Sulfate, Diammonium Sulfate, with Organic Content from Municipal Biosolids, Food Waste Digestate and/or Animal Residuals, A-701, A-702, A-938, BP212, H6N204S, ACC01410
<u>RECOMMENDED USE /</u>	For use as a multi-nutrient fertilizer to be applied to commercial agriculture.
<u>RESTRICTIONS ON USE:</u>	None – This is an USEPA Exceptional Quality product pursuant to CFR Title 40 Part 503
<u>MANUFACTURER:</u>	Anuvia Plant Nutrients 6751 West Jones Avenue Zellwood, FL 32798 352-720-7070
<u>EMERGENCY PHONE NUMBER</u>	<b>For Hazardous Materials Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night 1-800-424-9300 / +1 703-527-3887 CCN825876</b>

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### Section 2 – HAZARDS IDENTIFICATION

<u>GHS CLASSIFICATION:</u> <u>SIGNAL WORD:</u> <u>HAZARD STATEMENTS:</u>	Not classified None None 
<u>PICTOGRAM:</u> <u>PRECAUTIONARY STATEMENTS:</u> <u>UNCLASSIFIED HAZARDS:</u>	None May cause skin, eye, and respiratory irritation. May be harmful if swallowed.
<u>INGESTION:</u>	Not generally considered toxic. If swallowed, irritation may develop in the mouth, esophagus, stomach, etc. The sulfate ion may cause purging.
<u>PERCENTAGE OF INGREDIENTS WITH UNKNOWN TOXICITY:</u>	None

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### Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS: Ammonium Sulfate 50-70% Ammonium Iron Sulfate 3-12%  
Iron 1-4% Potash 1-5% Organics 12-17%

OTHER CONTAMINANTS: None  
The specific chemical identities and percentages of composition have been withheld as trade secrets.

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### Section 4 – FIRST AID MEASURES

EYE CONTACT: Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention if eye irritation persists.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area with soap or –mild detergent and large amounts of water until no evidence of chemical remains.

INHALATION: Remove from exposure area to fresh air. If breathing has stopped perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention if you feel unwell.

INGESTION: Treat symptomatically and supportively. Get medical attention if you feel unwell or if vomiting occurs. Keep head lower than hips to prevent aspiration.

MOST IMPORTANT SYMPTOMS, ACUTE AND DELAYED: May cause eye irritation. May cause skin irritation. May cause respiratory irritation. May be harmful if swallowed.

IMMEDIATE MEDICAL ATTENTION REQUIRED: None needed.

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### Section 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or regular foam (1990 Emergency Response Guidebook, DOT P 5800.5)  
For larger fires, use water spray, fog or regular foam (1990 Emergency Response Guidebook, DOT P 5800.5)

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: No acute hazard, move container from fire area if possible, avoid breathing vapors or dusts, keep upwind.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Follow PPE requirements found in Section 8.

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### Section 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Follow PPE requirements in Section 8.

METHODS AND MATERIALS FOR CLEANING UP: Work to contain spill and dispose of material in accordance with applicable regulations. Sweep or shovel material into labeled container.

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## Section 7 – HANDLING AND STORAGE

PRECAUTIONS FOR  
SAFE HANDLING:  
CONDITIONS FOR  
SAFE STORAGE:

Follow PPE requirements in Section 8.

Store in a cool, dry, well-ventilated area away from strong oxidizers and keep out of reach of children and animals.  
See incompatibilities in Section 10.

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## Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: No occupational exposure limits established by OSHA, ACGIH or NIOSH.

APPROPRIATE  
ENGINEERING  
CONTROLS: Use in a well-ventilated area.

RESPIRATORY  
PROTECTION:  
EYES AND FACE: Where dusty conditions require it, use a NIOSH/MSHA-approved dust respirator for needed protection.  
Wear safety glasses with side shields, under dusty conditions, wear safety goggles. Do not wear contact lenses.

HANDS, ARMS, AND  
BODY: To minimize skin contact, wear long-sleeve shirt, trousers and gloves for routine product handling or use. Wash hands after handling.

OTHER CLOTHING &  
EQUIPMENT: Not generally required.

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## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light brown rhombic crystals or granules

ODOR: Slight chemical odor

ODOR THRESHOLD: No data

PH: 4.5 – 7.0 (0.1 M Solution)

MELTING POINT: 455 F° (235 C°) Decomposes

BOILING POINT: No data

FLASH POINT: No data

EVAPORATION RATE: No data

FLAMMABILITY: Not flammable

FLAMMABILITY LIMITS: Not applicable

VAPOR PRESSURE: No data

VAPOR DENSITY: No data

RELATIVE DENSITY: 0.84

SOLUBILITY (water): 76.7% @ 25°C

PARTITION COEFFICIENT: No data

AUTOIGNITION TEMP: Not applicable

DECOMPOSITION TEMP: No data

VISCOSITY: Not applicable

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## Section 10 – STABILITY AND REACTIVITY

REACTIVITY: Reactions may occur with incompatible materials.

CHEMICAL STABILITY: Stable under normal conditions of use.

POSSIBILITY OF  
HAZARDOUS REACTIONS: Not reported under normal conditions of use.

<u>CONDITIONS TO AVOID:</u>	Keep away from heat and incompatible materials.
<u>INCOMPATIBLE MATERIALS:</u>	Keep away from ammonium nitrate, potassium or sodium alloys, bases, chlorates, chlorine, copper and alloys, nitrates, strong oxidizers, potassium chlorate, potassium nitrate, and sodium hypochlorite.
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	Thermal decomposition produces gaseous ammonia and oxides of sulfur. It may also produce toxic oxides of nitrogen.

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### Section 11 – TOXICOLOGICAL INFORMATION

#### ORGANIC COMPLEXED AMMONIUM SALTS:

<u>Toxicity Data:</u>	3000 mg/kg oral-rat LD50
<u>Carcinogen Status:</u>	None
<u>Local Effects:</u>	May be an Irritant – Inhalation, skin, and eye – A single dermal dose of 0.5 g elicited transient (reversible) mild dermal irritation in the rabbit.
<u>Acute Toxicity Level:</u>	May be harmful if swallowed
<u>Target Effects:</u>	No data available
<u>At Increased Risk From Exposure to dust:</u>	Persons with Asthma
<u>Delayed (Subchronic and Chronic) Effects:</u>	Eye irritation – a single ocular dose of 100 mg elicited transient (reversible) moderate ocular irritation in the rabbit. There was no evidence of skin sensitization seen in guinea pigs.

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### Section 12 – ECOLOGICAL INFORMATION

<u>ECOTOXICITY:</u>	No data
<u>PERSISTENCE AND DEGRADABILITY:</u>	No data
<u>BIOACCUMULATIVE POTENTIAL:</u>	No data
<u>MOBILITY IN SOIL:</u>	No data
<u>OTHER ADVERSE EFFECTS:</u>	No data

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### Section 13 – DISPOSAL CONSIDERATIONS

Dispose of product in accordance with applicable regulations. Keep out of any body of water. Sweep or shovel material into the labeled container.

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### Section 14 – TRANSPORT INFORMATION

Not regulated for transport.

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### Section 15 – REGULATORY INFORMATION

Follow all applicable regulations in your jurisdiction.

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## **Section 16 – OTHER INFORMATION**

DATE OF PREPARATION: August 8, 2017

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