

SECTION I. IDENTIFICATION

Product Identifier(s): SymTRX® 20S
17(N)-1(P)- 0(K) 20(S)
Enhanced Efficiency Homogeneous Multi-Nutrient Fertilizer With 20% Sulfur

Chemical Family; Synonyms: Organic Complexed Ammonium Sulfate and Ammonium Phosphate with Organic Content from Municipal Biosolids, Food Waste Digestate and/or Animal Residuals

Recommended Use: For use as a multi-nutrient fertilizer to be applied to commercial agriculture.

Restrictions on Use: For Industrial/Commercial Use Only. This is an USEPA Exceptional Quality product pursuant to CFR Title 40 Part 503.

Manufacturer: Address: Anuvia Plant Nutrients 660E County Line Road
Plant City, FL 33565

Telephone Number: 1-689-407-3430 For Hazardous Materials Incident

Emergency Telephone Number: Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 or 1-703-527-3887 CCN825876

SECTION 2. HAZARD(S) IDENTIFICATION

WHMIS 2015/HPR/GHS Classification:

This product is classified as hazardous according to WHMIS 2015/HPR Part 8 criteria.
Serious Eye Irritation - Category 2A
Skin Irritation - Category 2
Specific Target Organ Toxicity Single Exposure - Respiratory Tract Irritation Category 3
Acute Toxicity - Oral Category 4

Label Elements:

Symbol:



Signal Word: WARNING

Hazard Statements: CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION.
MAY CAUSE RESPIRATORY IRRITATION. HARMFUL IF SWALLOWED.

Precautionary Statements:

Prevention: Wear eye protection, protective gloves, protective clothing. Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid breathing dust, fumes or vapors. Use only outdoors or in a well-ventilated area.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Obtain medical attention.
IF ON SKIN: Wash with plenty of water. If skin irritation occurs obtain medical attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists obtain medical attention.



IF SWALLOWED: Call a POISON CENTER or obtain medical attention if you feel unwell. Rinse mouth. Do NOT induce vomiting.

Storage: Store in a well-ventilated place. Store away from incompatible materials. Keep container tightly closed. Store locked up. Avoid exposure to excessive moisture or direct contact with water as material may solidify or decompose.

Disposal: Dispose of contents and containers in accordance with applicable regulations.

Other Hazards: Not available.

Percentage of ingredients with unknown toxicity: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names, Common Names, Synonyms, & CAS#s	Concentration (% wt/wt)	Health Hazard Classes
Ammonium Sulfate CAS# 7783-20-2	*50-70%	Skin Irritation Category 2 Serious Eye Irritation Category 2A STOT SE Respiratory Irritation Category 3
Monoammonium Phosphate CAS# 7722-76-1	*1-2%	Skin Irritation Category 2 Serious Eye Irritation Category 2A
Organics CAS# Not available	*12-17%	Not available

*The specific chemical identities and percentages withheld as a trade secret. Organic Complexed Ammonium Sulfate, Ammonium Phosphate, and Phosphoric Acid with Organic Content from Municipal Biosolids, Food Waste Digestate and/or Animal Residuals.

SECTION 4. FIRST-AID MEASURES

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs obtain medical attention. Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 20 minutes. If eye irritation persists, obtain medical attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or obtain medical attention if you feel unwell.

MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE OR DELAYED):

Causes serious eye and skin irritation. Symptoms may include itching, pain, tearing, and redness. May cause respiratory irritation. Symptoms may include coughing, sore throat, shortness of breath, and difficulty breathing. Harmful if swallowed. Symptoms may include gastrointestinal distress with pain, nausea, vomiting, or diarrhea.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

SMALL FIRE: Dry chemical, carbon dioxide, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media:

None known.

Hazardous Combustion Products:

Gaseous ammonia, oxides of nitrogen, oxides of carbon, oxides of sulfur.

Special protective equipment and precautions for fire-fighters:

Fire-fighters should wear full protective gear with self-contained breathing apparatus (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Before attempting clean-up, refer to Section 8 personal protection. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Contact emergency services and supplier for advice.

Methods and materials for containment and cleaning up:

Evacuate unprotected and untrained personnel from the area. The spill should be handled by qualified personnel only. Ventilate the area. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Sweep or shovel the spilled material into a closed container suitable for disposal and clean up the area. Place waste materials in a closed container suitable for disposal. Dike wash water for proper disposal. DO NOT contaminate sources of drinking water, irrigation water or aquatic habitats when cleaning equipment or disposing of waste. Refer to Section 13 for disposal considerations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. For industrial or professional use only. As required by employer code. Wear eye protection, protective gloves, protective clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust, fumes or vapours. Use only outdoors or in a well-ventilated area. Take off contaminated clothing and wash it before reuse. Maintain good industrial hygiene practices. Avoid exposure to excessive moisture or direct contact with water as material may solidify or decompose.

Conditions for safe storage:

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Keep container tightly closed. Store locked up. Maintain good industrial hygiene practices. Avoid exposure to excessive moisture or direct contact with water as material may solidify or decompose.

Incompatible materials: 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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits: Particulates not otherwise classified
TWA of 10 mg/m³ (ACGIH) or 15 mg/m³ (OSHA PEL) for total dust; and
3 mg/m³ (ACGIH) or 5 mg/m³ (OSHA PEL) for respirable dust.

Appropriate Engineering Controls:

As required by employer code. Use only outdoors or in a well-ventilated area.

Individual protection measures/Personal protective equipment (PPE):

Respiratory Protection: As required by employer code. Avoid breathing dust, fumes or vapors. Wear appropriate respiratory protection if ventilation is not adequate or in emergency situations where airborne concentrations are unknown.

Hand Protection: As required by employer code. Wear protective gloves.

Eye and Face Protection:

As required by employer code. Wear safety goggles or safety glasses with side shields. Contact lenses should not be worn.

Skin and body protection:

As required by employer code. Wear clothing that will cover your skin in the case of a spill, including coveralls or a long-sleeved shirt, pants, socks, and closed-toed shoes. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

pH @ 20°C (10% in water): 4.5 – 7.0

Vapor Density (Air = 1): Not available

Decomposition Temperature: Not available

Viscosity @ 25°C (77°F): Not applicable

Solubility in Water @ 25°C (77°F): 76.7%

Vapor Pressure: Not applicable

Boiling Point: Not applicable

Odor Threshold (ppm): Not available

Color; Odor: Light brown crystals or granules; Slight

Flash Point: Not available

Autoignition Temperature (°C/°F): Not applicable

Evaporation Rate (Ether =1): Not available

Upper & Lower Flammable Limits: Not applicable

Flammability (solid; gas): Not flammable

Melting Point/Freezing Point: 235 C° (455 F°)

Relative Density (water =1): 0.84

Partition Coefficient n-octanol/water: Not available

HPR/WHMIS 2015 - Part 7 Physical Hazards: Classification criteria not met.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Reactions may occur with incompatible materials.

Chemical Stability: Stable under normal conditions of use.

Possibility of hazardous reactions:

Hazardous polymerization will not occur under normal conditions of use.

Conditions to avoid: Keep away from heat and incompatible materials.

Incompatible materials: 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.

Hazardous decomposition products:

Gaseous ammonia, oxides of nitrogen, oxides of carbon, oxides of sulphur.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

IMMEDIATE HEALTH EFFECTS

Eyes: Causes serious eye irritation. Symptoms may include pain, tearing, redness and swelling.

Skin: Causes skin irritation. Symptoms may include localized redness, itching, and pain.

Inhalation: May cause respiratory tract irritation. Symptoms may include coughing, sore throat, shortness of breath, and difficulty breathing.

Ingestion: Harmful if swallowed. Symptoms may include gastrointestinal distress with pain, nausea, vomiting, or diarrhea.

ACUTE TOXICITY DATA			
Component Name	Inhalation Exposure	Dermal Exposure	Oral Exposure
Ammonium Sulfate CAS# 7783-20-2 (50-70%)	LC50 (rat, 8 h): >1000 mg/m ³	LD50 (rat): >2000 mg/kg	LD50 (rat): 3000 mg/kg
Monoammonium Phosphate CAS# 7722-76-1 (1-2%)	Not available	LD50 (rat): >7940 mg/kg	LD50 (rat): 5750 mg/kg
Organics CAS# Not available (12-17%)	Not available	Not available	Not available
ACUTE TOXICITY ESTIMATES (ATES) FOR THE PRODUCT	LC50: >5 mg/L (dust)	LD50: >2000 mg/kg	LD50: 2000 mg/kg

Eye Irritation: A single ocular dose of 100 mg elicited moderate irritation in the rabbit.

Skin Irritation: A single dermal dose of 0.5 g elicited mild dermal irritation in the rabbit.

Aggravation of Pre-existing Conditions:

Persons with asthma are at increased risk from exposure to dust.

Chronic Effects From Short-term and Long-term Exposure

Skin Sensitization: There was no evidence of skin sensitization seen in guinea pigs.

Respiratory Sensitization: Insufficient data available.

Germ Cell Mutagenicity: Insufficient data available.

Teratogenicity: Insufficient data available.

Reproductive Effects: Insufficient data available.

Carcinogenicity: Insufficient data available.

Toxicologically Synergistic Materials: Not available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.
Persistence and degradability: Not available.
Bioaccumulative potential: Not available.
Mobility in soil: Not available.
Other adverse effects: Not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Information on Safe Handling for Disposal:

Refer to Section 8 personal protection. DO NOT contaminate sources of drinking water, irrigation water or aquatic habitats when cleaning equipment or disposing of waste.

Methods of Disposal, Including Contaminated Packaging:

Dispose of residual product and empty container in accordance with applicable regulations. For information on disposal of unused or unwanted product contact the manufacturer.

SECTION 14. TRANSPORT INFORMATION

Not regulated for transport

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations: Follow all applicable regulations in your jurisdiction.

SECTION 16. OTHER INFORMATION

Date of Preparation: 6 Dec 2018

Date of Latest Revision: 20 Jan 2021

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