

# AMS 20.5-0-0-24


## SAFETY DATA SHEET (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

### SECTION 1: Identification

- 1.1. Product identifier  
Product Form : Solid Granule  
Product Name: AMS 20.5-0-0-24S (All SGN's)
- 1.2. Recommended use / restrictions of use  
: Agricultural fertilizer. No restrictions.
- 1.3. Details of the supplier of the data sheet  
: Unity Envirotech  
Henry, IL 61537  
T 1-309-364-2361
- 1.4. Emergency telephone number  
Emergency number : CHEMTREC 1-800-424-9300

### SECTION 2: Hazards Identification

- 2.1. Classification of the substance or mixture  
: Acute toxicity dermal (H313), eye irritant 2B (H320), respiratory irritant (H335)
- 2.2. Label elements  
Hazard pictograms  GHS07
- Signal word : Warning
- Hazard statements : H313 – May be harmful in contact with skin  
H320 – Causes eye irritation  
H335 – May cause respiratory irritation
- Precautionary statements : P261 – Avoid breathing dust  
P280 – Wear protective gloves/eye protection  
P304+P340 – If inhaled, move person to fresh air and keep comfortable  
P305+P351 – If in eyes: Rinse cautiously with water for several minutes  
P337+P313 – If eye irritation persists: Get medical advice/attention
- 2.3. Other hazards  
: No additional hazards
- 2.4. Unknown acute toxicity  
: No data available

### SECTION 3: Composition/information on ingredients

- 3.1. Substance

Substance name	Product identifier (CAS No.)	%
Ammonium Sulfate	7783-20-2	>99.5%

- 3.2. Mixture  
: Not applicable

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove to fresh air and keep at rest in a comfortable position for breathing. If irritation persists, seek medical attention.
- First-aid measures after skin contact : Wash with water and soap. If irritation persists, seek medical attention.
- First-aid measures after eye contact : Flush eyes with running water for several minutes. If irritation persists, seek medical attention.
- First-aid measures after ingestion : Give large amounts of water. If irritation persists, seek medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray, dry chemical, carbon dioxide, sand.
- Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

: Material will not burn: However, material undergoes decomposition at elevated temperatures to release ammonia fumes.

#### 5.3. Advice for firefighters

- Firefighting instructions : Material will not burn. Use extinguishing media appropriate for the surrounding materials.
- Protection during firefighting : Wear respiratory protection.
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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment, and emergency procedures

- Protective equipment : Wear gloves, goggles, and cover skin.
- Emergency procedures : Avoid inhalation of dust. Ensure adequate ventilation.

#### 6.2. Environmental precautions

: Prevent entry to sewers and public surface waters.

#### 6.3. Methods and material for containment and cleaning up

- Clean-up methods : Use mechanical means. Store material in suitable containers for recycle/disposal.

#### 6.4. Reference to other sections

: See Section 7 for safe handling information.  
See Section 8 for PPE information.  
See Section 13 for disposal information.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Safe handling precautions : Avoid contact with skin and eyes. After handling, wash hands thoroughly with soap and water. Avoid breathing dust. Wash before eating and drinking.

Fire/explosion precautions : No special measures required.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool, and well-ventilated area. Protect from weather.

Incompatible materials : Slightly reactive with oxidizing agents, alkalis, and moisture.

#### 7.3. Specific end use(s)

: No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

ACGIH Threshold Limit Value : Not established.

OSHA Permissible Exposure Limit : Not established.

#### 8.2. Exposure controls

Appropriate engineering controls : If dust is generated during handling, use adequate ventilation to keep exposure to airborne dust level below the threshold limits.

Personal protective equipment : Hand, skin, eye, respiratory (if needed).

Hand protection : Wear protective gloves. Glove material: Any.

Eye protection : Safety glasses w/ side shields.

Skin and body protection : Wear long sleeved clothing and other suitable clothing to prevent skin exposure.

Respiratory protection : Wear NIOSH approved dust respirator if dust level is above threshold limit.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid granule	Flammability	: Not flammable
Color	: White / light gray	Flash point	: Not applicable
Odor	: Odorless	Explosive limit (upper)	: No data available
Odor threshold	: No data available	Explosive limit (lower)	: No data available
Boiling point	: Decomposes	Auto ignition temp.	: No data available
Melting point	: 235°C (455°F)	Decomposition temp.	: 235°C (455°F)
Freezing point	: No data available	Partition coefficient	: No data available
Vapor pressure	: Not applicable	Viscosity, kinematic	: Not applicable
Vapor density	: Not applicable	Viscosity, dynamic	: Not applicable
pH	: 5.1		
Specific gravity	: 1.77		
Bulk density	: 65 lbs/ft <sup>3</sup>		
Solubility	: Soluble in water		
Evaporation rate	: Not applicable		

#### 9.2. Other information

: No further information available.

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### SECTION 10: Stability and reactivity

- 10.1. Reactivity : No further relevant information available.
- 10.2. Chemical stability : The product is stable under normal ambient conditions.
- 10.3. Possibility of hazardous reactions : None.
- 10.4. Conditions to avoid : Avoid excessive moisture.
- 10.5. Incompatible materials : Strong oxidizing agents, alkaline substances.
- 10.6. Hazardous decomposition products : Ammonia fumes due to excessive heat.
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### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
- Routes of exposure : Skin contact, eye contact, inhalation.
- Skin corrosion/irritation : May cause skin irritation.
- Eye damage/irritation : Causes eye irritation.
- Acute toxicity : Not classified.
- Carcinogenicity : Not classified.
- Reproductive toxicity : Not classified.
- LD50 oral rat : 4250 mg/kg (Rat)
- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- NTP (*National Toxicology Program*) : Substance is not listed.
- IARC (*International Agency for Research on Cancer*) : Substance is not listed.
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### SECTION 12: Ecological information

- 12.1. Toxicity : No testing data available.
- 12.2. Persistence and degradability : Aquatic toxicity: will release ammonium ions in water by hydrolysis. Ammonia is toxic to aquatic organisms. Avoid spills/releases to surface waters.
- 12.3. Bioaccumulative potential : No data available.
- 12.4. Mobility in soil : Non-persistent when applied using normal agricultural practices.
- 12.5. Other adverse effects : No further relevant information available.
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Recycle excess product if at all possible. Avoid sewage and landfill disposal.

Waste containers : Do not use metal waste containers.

#### 13.2. Reference to other sections

: See Section 8 for exposure control information.

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### SECTION 14: Transport information

#### 14.1. Transport information

UN-Number : None

DOT, ADR, ADN, IATA, IMDG : Non-regulated material

UN proper shipping name : Not regulated for transportation

Transport hazard class : Not regulated

Class – DOT, ADR, ADN, IATA, IMDG : Non-regulated material

Packing group – DOT, ADR, IMDG, IATA : Non-regulated material

Environmental hazards: Marine pollutant : Not classified as a marine pollutant

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code : Not applicable

Special precautions for user : None

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

SARA 302 (EHS) : Product is not listed.

SARA 311-312 (Tier II) : Product is not listed.

SARA 313 (TRI) : Product is not listed.

#### 15.2. International regulations

Canada : Product is listed on Domestic Substances List.

European Union : Product is not listed.

#### 15.3. US State regulations

: Right-to-Know – MA, NJ, PA.

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### SECTION 16: Other information

#### 16.1. Other information

Date of preparation/last revised : 3/14/2019

NFPA Ratings

Health: 1	Fire: 0	Reactivity: 0	Special:
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HMIS Ratings

Health: 1	Flammability: 0	Physical hazard: 0
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