

Safety Data Sheet

AMS Plus

SDS Number: 10055
SDS Prepared: 03/21/1999
SDS Version: 3.1
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMS Plus
CHEMICAL NAME: Diammonium Sulfate
SYNONYMS: Liquid Ammonium Sulfate
COMMON NAME: Ammonium Sulfate
EPA REGISTRATION NUMBER: Not Regulated

Manufactured by:
Coastal AgroBusiness Inc.
PO Box 856
Greenville, NC 27835
Phone: 1-800-635-1388

Emergency Telephone Numbers
Chemtrec (24 hours)
1-800-424-9300
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION- Avoid contact with eyes, skin, and clothing. May be harmful if swallowed or inhaled. Do not take internally.

This product is a clear, colorless liquid with a slight odor. Primary routes of entry are inhalation, eye contact and skin contact.

EMERGENCY OVERVIEW

Hazard Statements

H303 – May be harmful if swallowed

GHS Label elements, including precautionary statements/

Precautionary Statements - Prevention

P102 - Keep out of reach of children
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P260 - Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

P308 + P311 - If exposed or concerned: Call a POISON CENTER or doctor
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor if you feel unwell
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P330 - Rinse mouth

Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal sites

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Ammonium Sulfate	35%	7783-20-2	NOL/NOL
Proprietary blend of Polyacrylamides and Dimethylpolysiloxanes	0.2%		NOL/NOL
Inert Ingredients	64.8%		NOL/NOL

4. FIRST AID MEASURES

EYES:	Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.
SKIN:	Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.
INGESTION:	Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
INHALATION:	Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	Not Applicable
FLAMMABLE LIMITS (LFL & UFL):	Not Applicable
EXTINGUISHING MEDIA:	Foam, CO ₂ , Dry Chemical, and Water; Class BC, ABC Fire Extinguisher
HAZARDOUS COMBUSTION PRODUCTS:	None known
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Clear fire area of unprotected personnel. Cool fire exposed containers with water. Attack from upwind.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Decomposes at elevated temperatures upon drying to produce toxic fumes of ammonia and sulfur oxides. If the dry solid is mixed with strong oxidizers such as ammonium nitrate, potassium salts- nitrite, nitrate or chlorates, a vigorous reaction or explosion may occur.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Small spills: Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.

Large Spills: Eliminate all sources of ignition. Evacuate the area. Contain spill to prevent migration and entry into sewers, streams or drinking water supplies. Spills may be taken up with pump or vacuum and finished with dry chemical absorbents. May require excavation of contaminated soil.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with

skin.
STORAGE: Control and contain. Dike the spill to minimize contaminated area and facilitate salvage or disposal. Recover material for use, reprocessing or disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: NOL
PERMISSIBLE EXPOSURE LIMIT: NOL
SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of skin and eyes. Contact with eyes is painful and irritating. Overexposure: Prolonged skin contact may cause moderate irritation. May cause severe eye injury.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye and skin disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
PRIMARY ROUTES OF ENTRY: Dermal
ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors.
RESPIRATORY PROTECTION: None required with adequate ventilation. Use NIOSH-approved respiratory protection equipment if misty conditions exist.
EYE PROTECTION: Avoid contact with eyes. Wear full face shield or chemical splash goggles when handling. Do not wear contact lenses.
SKIN PROTECTION: Avoid contact with skin. USDA accepted nitrile or neoprene rubber gloves are recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOR: Clear, colorless liquid, slight odor.
SPECIFIC GRAVITY: (Water=1): 1.173
VAPOR PRESSURE: ≈Equivalent to water
VAPOR DENSITY (Air = 1): Not Applicable
% VOLATILITY (V/V): Not Applicable
BOILING POINT: >200°F
MELTING POINT: Not Applicable
SOLUBILITY: Completely miscible in water
pH: 7.0
VISCOSITY @ 20°C: ≈Equivalent to water

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Extreme Temperatures (above 280°C)
INCOMPATIBILITY: Strong oxidizing agents; e.g potassium salts-nitrite, nitrate, chlorate; also, chlorine and hypochlorite. Avoid Zinc-clad, copper and copper-bearing materials.
HAZARDOUS DECOMPOSITION PRODUCTS: May form ammonia and sulfur oxides.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀: LD₅₀ >200 mg/kg
EYE IRRITATION: Severe
INHALATION LC₅₀: May irritate nose, throat, and lungs
CARCINOGENETIC POTENTIAL: This product is not carcinogenic, teratogenic or mutagenic as determined by OSHA, NTP, or IARC. Danger of methemoglobin formation.

ACUTE DERMAL LD₅₀: Slight Irritation
SKIN IRRITATION/SENSITIZATION: Moderate (Prolonged exposure)

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Do not contaminate water, food or feed by storage or disposal. Waste resulting from spills of this material are not subject to CERCLA/RCRA regulations. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable Local, State and Federal regulations.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
 Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA

1 Health
 0 Flammability
 0 Reactivity

HMIS

1 Health
 0 Flammability
 0 Reactivity
 C PPE

SARA Hazard Notification/Reporting SARA Title III Hazard Category:

Immediate: Y Fire: N
 Delayed: N Reactive: N
 Sudden Release of Pressure: N
 None

Reportable Quantity (RQ) under U.S. CERCLA:

SARA, Title III, Section 313:
SARA, Title III, Section 302:

Contains no chemical subject to SARA 313

EHS
 TPQ

None
 10,000 lbs

RCRA Waste Code:
CA Proposition 65:

Not listed
 Not listed

16. OTHER INFORMATION

SDS STATUS: Updated
REASON FOR CHANGE: Added GHS statements
PREPARED BY: Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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to safely use the product described by this data sheet for their specific purpose.

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