

Safety Data Sheet

AMS Plus Dry

SDS Number: 10057
SDS Prepared: 03/21/2001
SDS Version: 4.2
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMS Plus Dry
CHEMICAL NAME: Diammonium Sulfate
CHEMICAL FAMILY: Dry Ammonium Sulfate/Drift Retardant Blend
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

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Acute Toxicity – Oral 5 H303

LABEL ELEMENTS

GHS-US Labeling

SIGNAL WORD (GHS-US)

WARNING

HAZARD STATEMENTS (GHS-US)

H303 - May be harmful if swallowed.

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.

P203 - Obtain, read, and follow all safety instructions before use.

P260 - Do not breathe dust/fumes/gas/mist/vapors/spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P281 - Use personal protective equipment as required.

P301+P330+P310 - IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P311 - If exposed or concerned: Call a POISON CENTER or doctor.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Ammonium Sulfate, Polyacrylamide, and Dimethylpolysiloxane Constituents Ineffective as a Spray Adjuvant	96.15%	Mixture	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):	>250°F (121.1°C)
FLAMMABLE LIMITS (LFL & UFL):	Not applicable
EXTINGUISHING MEDIA:	Foam, dry chemical, CO ₂ , 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. A vigorous reaction or explosion may occur if the dry solid is mixed with strong oxidizers like ammonium nitrate and potassium salts—nitrite, nitrate, or chlorate.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS:	Sweep or shovel into a suitable container for recovery or disposal.
LARGE SPILLS:	Thoroughly collect spilled material to facilitate salvage or disposal. Recover material for use, reprocessing, or disposal.
CAUTION:	Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Material is slippery when wet.

7. HANDLING AND STORAGE

HANDLING:	Keep out of reach of children. To avoid product degradation and equipment corrosion, do not use iron, copper, or aluminum containers or equipment. Wash thoroughly with soap and water after handling. Wash hands before breaks and at the end of work.
STORAGE:	Store in cool, dry area. Keep away from strong oxidizers, such as chlorates, nitrates, and nitrites. Keep in original container, tightly closed. Do not reuse empty container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT:	NOL
SIGNS AND SYMPTOMS OF EXPOSURE:	Irritation of the skin and eyes. Contact with eyes is painful and irritating.
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 safety 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

COLOR AND PHYSICAL STATE:	Off-white granular crystals
ODOR:	Slight odor
SPECIFIC GRAVITY (Water=1):	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY (Air = 1):	Not applicable
% VOLATILITY (V/V):	Not applicable
BOILING POINT:	Not applicable
MELTING POINT:	Not applicable
SOLUBILITY:	Soluble
pH:	7.0
VISCOSITY @ 68°F (20°C):	Not applicable

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 (>282°C).
INCOMPATIBILITY:	Strong oxidizing agents, e.g., potassium salts (nitrite, nitrate, and chlorates). Also, chlorine, bases, and hypochlorite.
REACTIVITY:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	May form ammonia and sulfur trioxides.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	May be harmful if swallowed.
ACUTE DERMAL LD₅₀:	No data available.
INHALATION LC₅₀:	No data available.
EYE IRRITATION:	Causes serious eye irritation.
CARCINOGENIC POTENTIAL:	This product is not carcinogenic, teratogenic, or mutagenic as determined by OSHA, NTP, or IARC
SKIN IRRITATION/SENSITIZATION:	Causes skin irritation.

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 is 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:

<u>NFPA</u>		<u>HMIS</u>	
2 Health	0 Reactivity	2 Health	0 Reactivity
0 Flammability		0 Flammability	C PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate: Y Fire: N Sudden Release of Pressure: N
Delayed: N Reactive: N
None

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

SARA, Title III, Section 313: Contains no chemical subject to SARA 313

SARA, Title III, Section 302: EHS: None
TPQ: 10,000 lbs.

RCRA Waste Code: Not listed
CA Proposition 65: Not listed

16. OTHER INFORMATION

SDS STATUS: Updated
REASON FOR CHANGE: Updated Technical Information
PREPARED BY: Emma Simpson, Product Development Specialist - Chemist

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