

Safety Data Sheet

AMS Plus Dry

SDS Number: 10057
 SDS Prepared: 03/21/2001
 SDS Version: 4.0
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMS Plus Dry
CHEMICAL NAME: Diammonium Sulfate
SYNONYMS: 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
 Chemtec (24 hours)
 1800-424-9300
 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. Keep out of reach of children.

This product is an off white granular crystal with a slight odor. Primary routes of entry are inhalation, eye contact and skin contact

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Ammonium Sulfate, Poly-Acrylamide and Dimethylpolysiloxane Constituents Ineffective as a Spray Adjuvant	96.15%	7783-20-2	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

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: 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

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:	Off white granular crystals: slight odor
SPECIFIC GRAVITY: (Water=1):	Not Determined
VAPOR PRESSURE:	Not Applicable

VAPOR DENSITY (Air = 1):	Not Applicable
% VOLATILITY (V/V):	Not Applicable
BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
SOLUBILITY:	Completely miscible in water
pH:	7.0
VISCOSITY @ 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 (above 282°C)
INCOMPATIBILITY:	Strong oxidizing agents; e.g potassium salts-nitrite, nitrate, chlorate; also, chlorine, bases and hypochlorite.
HAZARDOUS DECOMPOSITION PRODUCTS:	May form ammonia and sulfur trioxides.
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	LD ₅₀ >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	HMIS
	2 Health	2 Health
	0 Flammability	0 Flammability
	0 Reactivity	0 Reactivity
		C PPE

**SARA Hazard Notification/Reporting
SARA Title III Hazard Category:**

Immediate:	<u>Y</u>	Fire:	<u>N</u>
Delayed:	<u>N</u>	Reactive:	<u>N</u>
Sudden Release of Pressure:	<u>N</u>		
	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
TPQNone
10,000 lbs**RCRA Waste Code:**

Not listed

CA Proposition 65:

Not listed

16. OTHER INFORMATION**SDS STATUS:**

Updated

REASON FOR CHANGE:

To meet new regulatory requirements

PREPARED BY:

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DRY