Coastal AgroBusiness, Inc.

Safety Data Sheet

SDS Number: 10055
SDS Prepared: 03/21/1999
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AMS Plus

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMS Plus

CHEMICAL NAME: Diammonium Sulfate

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	PEL/TLV
Ammonium Sulfate	35%	7783-20-2	NOL/NOL
Proprietary blend of Polyacrylamides and Dimethylpolysiloxanes	0.2%	Proprietary	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 a 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, 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. Explosive reactions may occur with oxidizing agents such as potassium chlorate and/or peroxides.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Soak up with absorbent materials, shovel into a suitable container for disposal.

LARGE SPILLS: Eliminate ignition sources. 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 and contact with skin. To avoid product degradation and equipment corrosion, do not use iron, copper, or aluminum containers or equipment.

STORAGE: Keep in original containers, tightly closed in a dry, cool, and well-ventilated place. Carefully reseal opened containers and keep upright to prevent leakage. Do not reuse empty containers. Store away from incompatible substances such as strong oxidizers. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT: NOL

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of the skin and eyes. Contact with eyes may be irritating and/or painful. Overexposure: Prolonged skin contact may cause mild irritation.

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:	Clear, colorless, slightly viscous liquid
ODOR:	Slight odor
SPECIFIC GRAVITY (Water=1):	1.17
VAPOR PRESSURE:	≈Equivalent to water
VAPOR DENSITY (Air = 1):	Not applicable
% VOLATILITY (V/V):	Not applicable
BOILING POINT:	>200°F (93.3°C)
MELTING POINT:	Not Determined
SOLUBILITY:	Completely miscible in water
pH:	7.0
VISCOSITY @ 68°F (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 (>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.
REACTIVITY:	Not determined.
HAZARDOUS DECOMPOSITION PRODUCTS:	May form ammonia and sulfur oxides.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD_{50}:	No data available.
ACUTE DERMAL LD_{50}:	No data available.
ACUTE INHALATION LC_{50}:	No data available.
EYE IRRITATION:	May cause slight eye irritation.
CARCINOGENIC POTENTIAL:	This product is not carcinogenic, teratogenic, or mutagenic as determined by OSHA, NTP, or IARC.
SKIN IRRITATION/SENSITIZATION:	May cause slight skin irritation. Not a skin sensitizer.

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 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	
	1 Health	0 Reactivity	1 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
Reportable Quantity (RQ) under U.S. CERCLA: None
SARA, Title III, Section 313: Not listed
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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AMS Plus
Liquid Ammonium Sulfate/Drift Retardant Solution