

Material Safety Data Sheet

AMS MAXX

Issue Date: 05/09

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT

AMS MAXX

Common Name: Adjuvant
Chemical Description: Modified glycerol acid (citro phosphate) complex in nitrogen solution with polyacrylamide linear copolymer.
TCSA/CAS No.: This product is a mixture – there is no specific CAS number.

MANUFACTURED FOR

Fertilizer Company of Arizona, Inc.
2850 South Peart Road
Casa Grande, Arizona 85293

Emergency Phone Numbers

Emergency Telephone: 520.836.7477
Riverside Environmental Services, Inc. (24-hour Emergency Number): 928.783.3803
EPA National Response Center: 800.424.8802

SECTION 2. HAZARDOUS INGREDIENTS

<u>CHEMICAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RO (lbs.)</u>
None				

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear light colored liquid with sweet odor. Keep away from strong oxidizers such as hydrogen peroxide, bromine, and chromic acid. Carbon monoxide and carbon dioxide can form from burning. Not D.O.T. regulated.

HEALTH: 1	REACTIVITY: 0	FLAMMABILITY: 0	ENVIRONMENT: 0
(0=Insignificant)	1=Slight	2=Moderate	3=High
			4=Extreme)

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SECTION 4. FIRST AID

Eyes: Immediately flush eyes with large quantities of water for at least 15 minutes, occasionally lifting the lower and upper lids.

Skin: Immediately wash skin with plenty of water while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

Ingestion: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. If so advised by a physician or Poison Control Center, induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. If breathing is difficult, give oxygen and call a physician

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point: >200° F

Test Method: Pensky-Martins closed cup

LEL Flammable Limits: Not available

UEL Flammable Limits: Not available

Autoignition Temperature: Not available

Flammability Classification: None

Known Hazardous Products of Combustion: Carbon monoxide and carbon dioxide

Properties that Initiate/Contribute to Intensity of Fire: None

Potential for Dust Explosion: None

Reactions that Release Flammable Gases or Vapors: Not known

Potential for Release of Flammable Vapors: None

Unusual Fire & Explosion Hazards: Not known

Extinguishing Media: Foam, CO₂, dry chemical, water

Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment: Prevent product spillage from entering drinking water supplies or streams.

Clean Up: Absorb with an inert material such as sand, soil or vermiculite; sweep up and dispose in accordance with federal, state, and local regulations.

Evacuation: Not necessary

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SECTION 7. STORAGE AND HANDLING

Storage: Store in plastic or stainless steel container in a cool, well ventilated, dry place at temperatures above 40° F. Keep away from strong alkalis, acids and/or oxidizing agents. Do not store near food or feeds. Do not stack pallets more than two (2) high.

Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

Work/Hygienic Practices: Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Wash thoroughly after handling. Remove contaminated clothing and wash thoroughly before reuse. Do not contaminate feed and foodstuffs.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

Skin: Impervious gloves and clothes. Gloves should be solvent resistant rubber or plastic. Wear a neoprene protective type apron when handling concentrate.

Respiratory: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

Ventilation: Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Clear, light colored liquid
Odor:	Sweet
pH:	4.5 – 6.5
Vapor Pressure:	Not available
Vapor Density (Air=1):	Not available
Boiling Point:	Not available
Freezing Point:	Not available
Water Solubility:	Soluble
Density:	9.9 lbs./gal.
Evaporation Rate:	Not available
Viscosity:	Not available
% Volatile:	65%
Octanol/Water Partition Coefficient:	Not available
Saturated Vapor Concentration:	Not available

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SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Incompatibility:	Keep away from strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide from burning.
Hazardous Polymerization:	Will not occur

SECTION 11. POTENTIAL HEALTH EFFECTS

Acute Effects:

Eyes:	Minimal irritation
Skin:	Minimal irritation (LD ₅₀ > 2000 mg/kg)
Ingestion:	May cause stomach cramps and/or nausea. (LD ₅₀ > 2000 mg/kg)
Inhalation:	Vapors may irritate respiratory system.

Subchronic Effects: None known

Chronic Effects: None known

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known
Toxicity to Fish and Invertebrates:	Not known
Toxicity to Plants:	Not known
Toxicity in Birds:	Not known

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

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SECTION 14. TRANSPORTATION

D.O.T. Proper Shipping Description:

Not D.O.T. Regulated

Other Shipping Information:

Adhesives, Adjuvants, Spreaders or
Stickers, Liquid. (NMFC Item 4612, LTL
Class 60)

SECTION 15. REGULATORY INFORMATION

CERCLA:

None

SARA TITLE III, Section 313 Toxic Chemicals:

Ammonium sulfate (39.0%)

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.