

MATERIAL SAFETY DATA SHEET

AGRILIANCE, LLC
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PRODUCT NAME(S)

For Emergency Call: 877-424-7452 or
Chem Trec: 800-424-9300

LEVEL 7™

Effective Date: 12/07/04

I. IDENTIFICATION

CHEMICAL NAME OF PRIMARY COMPONENT(S): Ammonium Sulfate, Corn Syrup, Ethyl Lactate, and Formulation/Water Conditioning Aids.

FORMULA: N/A (Mixture)

MOLECULAR WEIGHT: N/A (Mixture)

SYNONYMS: Agricultural Adjuvant

CAS # & NAME: N/A

EPA Reg No. N/A

II. INGREDIENTS/SUMMARY OF HAZARDS

INGREDIENT(S)	CAS NUMBER	OSHA HAZARD (H) NON-HAZARD (NH)	PERCENT
Ammonium Sulfate	7783-20-2	NH	15%
Corn Syrup	8029-43-4	NH	25%
Ethyl Lactate	97-64-3	NH	5%
Formulation Aids	N/A (Mixture)	NH	20.5%

	NFPA ^{1/}	HMIS ^{2/}
HEALTH	1	1
FIRE	2	2
REACTIVITY	0	0

1/ National Fire Protection Association Rating

2/ Hazardous Materials Identification System

(4 = Extreme/Severe 3 = High/Serious 2 = Moderate 1 = Slight 0 = Minimum)

SARA TITLE III HAZARD CLASSIFICATION

IMMEDIATE (ACUTE) HEALTH	Yes
DELAYED (CHRONIC) HEALTH	No
FIRE	No
SUDDEN RELEASE OF PRESSURE	No
REACTIVE	No

III. PHYSICAL DATA

SPECIFIC GRAVITY: 1.2197
BOILING POINT: Not established
FREEZING POINT: Not established
VAPOR PRESSURE: Not established
SOLUBILITY IN WATER: Miscible
APPEARANCE: Amber liquid
ODOR: Slightly pungent odor

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 120° F / TCC
FLAMMABLE LIMITS IN AIR: Not established
AUTOIGNITION TEMPERATURE: Not established
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, water spray or fog
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

V. REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: High temperatures
MATERIALS TO AVOID: Strong oxidizing agents, acids and bases.
HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, sulfur oxides, CO
HAZARDOUS POLYMERIZATION: Will not occur

VI. HEALTH HAZARD DATA/FIRST AID PROCEDURES**TOXICOLOGY DATA:**

Acute Oral LD₅₀ (rat): Not determined
Acute Dermal LD₅₀ (rat): Not determined
Acute Inhalation LC₅₀(4hr rat): Not determined
Eye Irritation (rabbit): Not determined
Dermal Irritation (rabbit): Not determined
Dermal Sensitization: Not determined

EXPOSURE LIMITS:

CHEMICAL NAME(S)	ACGIH (TLV)	OSHA (PEL)
Ammonium Sulfate	Not listed	Not listed
Ethyl Lactate	Not listed	Not listed

CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY: Not listed by IARC, ACGIH or OSHA

PRIMARY ROUTES OF ENTRY: Inhalation, ingestion, eye contact and skin contact

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Nausea, vomiting, headache.

Skin Absorption: May cause irritation

Inhalation: Nasal and mucous membrane irritation

Eyes: Redness, irritation, tearing

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Existing skin rash.

EMERGENCY AND FIRST AID PROCEDURES:

Swallowing: Give large quantities of water. Do not induce vomiting unless told to do so by a Poison Control Center or Doctor. Do not give anything by mouth to an unconscious person. Call a Poison Control Center or doctor.

Skin: Remove contaminated clothing and rinse skin immediately with soap and water. Call a Poison Control Center or Doctor if signs of irritation persist.

Inhalation: If not breathing give artificial respiration preferable mouth to mouth. Call a Poison Control Center or Doctor.

Eyes: Hold eyelids open and flush with water for 15-20 minutes. If contacts, remove after 5 minutes and continue to rinse. Call a Poison Control Center or Doctor.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Wear protective equipment below. Spills may be collected with absorbent material and placed in a container for proper disposal in accordance with Federal, State and Local regulations. Prevent runoff from entering sewer drains and waterways.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling, or puncture and dispose of in a sanitary landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed. Store in a cool, dry location away from children, animals, food or feed products.

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- Manufacture or formulation of this product.
- Clean up of leaks and spills.
- Any other activity that may result in hazardous exposures

RESPIRATORY PROTECTION: NIOSH approved pesticide respirator with organic vapor/acid/gas cartridge and pesticide prefilter.

VENTILATION: Local exhaust

PROTECTIVE CLOTHING: Chemical resistant gloves, coveralls over long sleeved shirt and pants and foot coverings.

EYE PROTECTION: Safety goggles or shielded safety glasses.

USER SAFETY RECOMMENDATIONS: Safety showers and eye wash should be easily accessible.

IX. REGULATORY STATUS

TRANSPORTATION STATUS: See below

TRANSPORTATION INFORMATION:

Container Capacity	Proper Shipping Name	Hazard Class	UN/NA Number	Packing Group
Less than 119 Gallons	Not Regulated by DOT			
119 Gallons or greater	Combustible liquid, n.o.s.(Ethyl Lactate)	3	NA1993	III
IATA/IMO (All sizes)	Flammable liquid, n.o.s. (Ethyl Lactate)	3	UN1993	III

SARA TITLE III

Section 312, Reporting (40 CFR 370): None

Section 313, Toxic Chemicals: Not listed

Reportable Quantity (RQ): Not listed

RCRA HAZARDOUS WASTE: Not listed

X. REFERENCES

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH,
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