



AERO-TRIO AERIAL APPLICATION SOLUTIONS

SAFETY DATA SHEET

CURRENT AS OF: 10/7/25

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10010863, 10010824
PRODUCT NAME: AERO-TRIO AERIAL APPLICATION SOLUTIONS
PRODUCT USE: Fertilizer
MFR INFO: The Andersons, Inc.
PO Box 119
Maumee, OH 43537
FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



DANGER

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. CAUSES SERIOUS EYE, SKIN AND RESPIRATORY IRRITATION.

HAZARD CLASSIFICATIONS:

TOXIC TO REPRODUCTION

EYE IRRITATION

SKIN IRRITATION

SPECIFIC TARGET ORGAN TOXICITY

- *SINGLE EXPOSURE*

CATEGORY

2

2B

2

3

INTERPRETATION

Suspected of damaging fertility or the unborn child

Causes eye irritation

Causes skin irritation

Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *STORE LOCKED UP*
- *WEAR PROTECTIVE GLOVES*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *AVOID BREATHING VAPORS/MISTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

AERO-TRIO AERIAL APPLICATION SOLUTIONS

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Acetic Acid	Ethanoic acid	64-19-7	75-85
Formic Acid	Methanoic acid	64-18-6	00-10
Calcium Nitrate Tetrahydrate Solution		13477-34-4	00-10
Boric Acid		10043-35-3	00-10
Magnesium Oxide		1309-48-4	00-10
Calcium Hydroxide	Hydrated lime	1305-62-0	00-10
Calcium Chloride		10043-52-4	00-10

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move to fresh air and keep comfortable, seek medical attention if unwell.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for 15-20 minutes, remove contact lenses if present and easy to do – continue rinsing and seek medical attention if irritation persists.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	When heated to decomposition, this product will emit toxic oxides, chlorides, and ammonia.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
PROTECTIVE EQUIPMENT:	Wear PPE according to Section 8

SECTION 7: HANDLING AND STORAGE

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not breathe vapors/mists. Not intended for human consumption. Store locked up in a cool, dry, well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTIONEXPOSURE LIMITS:

The following constituents are the only constituents of the product, which have a PEL, TLV or other recommended exposure limit. Currently, the other constituents have no known exposure limits.

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Acetic Acid	10 ppm (TWA)	10 ppm (TWA) 15 ppm (STEL)
Formic Acid	5 ppm	5 ppm (NIOSH)
Boric Acid		2 mg/m ³ (ACGIH, TWA) 6 mg/m ³ (ACGIH, STEL)
Calcium Hydroxide	15 mg/m ³ (total) 5 mg/m ³ (respirable)	

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield
SKIN PROTECTION:	Appropriate for the task. Impervious and compatible with material
VENTILATION:	Use with adequate ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Amber solution with slight vinegar odor
pH:	~ 4.50
MELTING POINT:	Not applicable
BOILING POINT:	~ 220°F
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	~ 1.230
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not available
DECOMPOSITION TEMP:	Not available
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

AERO-TRIO AERIAL APPLICATION SOLUTIONS

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: Heat

INCOMPATIBILITY: Strong acids, bases, and oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides, chlorides, and ammonia.

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Suspected of damaging fertility or the unborn child. Causes serious eye, skin and respiratory irritation.

CARCINOGENICITY: Boric acid is classified as Reproductive toxicity (Category 1B) according to Regulation (EC) No 1272/2008. Boric acid is not listed as carcinogenic according to NIOSH, OSHA or IARC

INGREDIENT TOXICITY RANGES:

ORAL: > 300 mg/kg (calcium nitrate tetrahydrate) – 14,300 mg/kg (urea)

DERMAL: > 1,112 mg/kg (acetic acid) – 1,384 mg/kg (calcium chloride)

INHALATION: > 7.4 mg/L (formic acid, 4hr) – 11.4 mg/L (4hr) (acetic acid)

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects. Long-term degradation products may arise. Products of degradation are not expected to be hazardous.

SECTION 13: DISPOSAL CONSIDERATIONS

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA 311/312	ACUTE, REACTIVE
SARA 313	Nitrate Compounds (water dissociable) Formic Acid
REPORTABLE QUANTITY:	Formic Acid (5,000 lbs.) (U123) Acetic Acid (5,000 lbs)
RIGHT-TO-KNOW:	Calcium Nitrate Tetrahydrate (NJ, PA) Formic Acid (MA, NJ, PA) Magnesium Oxide (CA, IL, MA, MN, NJ, PA, RI) Calcium Hydroxide (MA, NJ, PA) Acetic Acid (MA, NJ, PA, RI)
TSCA:	CAS 13477-34-4 is not listed on the TSCA

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	3
	FLAMMABILITY	0
	INSTABILITY	0
HMIS RATINGS:	HEALTH	3
	FLAMMABILITY	0
	INSTABILITY	0

PREPARATION & VERSION INFORMATION

Version 001 – SDS originally created 10/7/2025 Prepared By DBA EHS Consulting

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.