

MATERIAL SAFETY DATA SHEET

MONTEREY ALIETTE®

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Issue Date: 09/05

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY ALIETTE®

EPA Reg. No. 432-897-54705

Common Name: Fungicide.

Chemical Description: Fosetyl Aluminum.

TSCA/CAS No.: The primary CAS number is 39148-24-8.

Manufactured For

Lawn & Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 994-9144

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Fosetyl Aluminum	39148-24-8	80.0	2 mg/m ³	*N.P.
Quartz (Silica, Crystalline)	14808-60-7	0.25	0.1mg/m ³ (respirable dust)	N.P.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Brown free flowing granules with acidic odor. Harmful if swallowed, absorbed through skin or inhaled. Causes eye irritation. Under fire conditions, toxic, corrosive fumes are emitted. Not D.O.T. regulated.

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

SECTION 4. FIRST AID

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

Inhalation: Move person to fresh air. If person not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: The following symptoms may occur: eye and mucous membrane irritation. May cause skin and eye irritation. There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Not applicable.
Test Method:	Not pertinent.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	No data available.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	This product, when mixed with air in critical proportions and in the presence of an ignition source, may present a dust explosion hazard.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Under fire conditions, toxic, corrosive fumes are emitted.
Extinguishing Media:	Foam, dry chemical or CO ₂ .
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:	Clean up properly by sweeping or vacuuming. Pick up and transfer to properly labeled containers.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container in a cool, well-ventilated, dry place. Keep out of reach of children and pets. Do not store near food or feeds. Do not stack pallets
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye injury. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Remove and wash clothing before reuse. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Protective eyewear. As a general rule, do not wear contact lenses when handling.
Skin:	Long-sleeved shirt and long pants, water proof gloves and shoes plus socks.
Respiratory:	Not normally needed. If use generates a respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Exposure Limits:	ACGIH: TWA 0.05 mg/m ³ ; NIOSH: REL 0.05 mg/m ³ ; OSHA: PEL 5 mg/m ³ (List Z1)
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Brown free, flowing granules.
Odor:	Acidic odor.
pH:	3.5 to 4 (1 .0%) @ 23°C.
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Dispersible.
Density:	Not available.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	logPow: -2.1. The value relates to the active ingredient fosetyl aluminum.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Extreme humidity.
Incompatibility:	Strong bases, acids, oxidizing agents and reducing agents.
Hazardous Decomposition Products:	Carbon oxides, oxides of phosphorus and phosphine gas.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Mild irritant. Causes redness and tearing.
Skin:	Slight irritant. May cause redness and swelling. LD50 (rabbit): > 2,000 mg/kg.
Ingestion:	Harmful if swallowed. LD50 (rat): > 2,860 mg/kg.
Inhalation:	May cause upper respiratory tract irritation. LC50 (rat) 4 hr: > 5 mg/l.

Subchronic Effects: None known.Chronic Effects: None known.**SECTION 12. ECOLOGICAL INFORMATION**

This product is toxic to aquatic and estuarine invertebrates. Drift and runoff from treated areas may be hazardous to fish/aquatic organisms in adjacent sites. Do not apply directly to water, to areas where surface water is present. Do not contaminate by disposal of equipment wash waters.

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 according to 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. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.: Not D.O.T. Regulated.
Other Shipping Description: Insecticides and Fungicides, NOI, Other Than Poison.
NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

Proposition 65: ATTENTION: This product contains Quartz (Silica, Crystalline) which is a chemical known to the State of California to cause cancer.

U.S. State Right-To-Know Ingredients

Fosetyl aluminum	39148-24-8	CA, IL, MN
Quartz (Silica, Crystalline)	14808-60-7	IL, MA, MN, RI

SECTION 16. OTHER

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.

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