

MATERIAL SAFETY DATA SHEET

MONTEREY MAGNIFY

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Issue Date: 06/14

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY MAGNIFY

CA Reg. No. 54705-50040-AA

Common Name: Nonionic surfactant.

Chemical Description: Aqueous solution, alkyl glucoside, oligosaccharides, ammoniated salts.

TSCA/CAS No.: This product is a mixture – there is no specific CAS number.

Manufactured For

Lawn and 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)
Ammonium nitrate	6484-52-2	9.99	*N.P.	*N.P.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Brown liquid with slight ammonia odor. Avoid contact with strong acids, bases or oxidizers. Burning may generate ammonia gas, toxic nitrogen dioxide vapors and unidentified organic compounds in smoke. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 1
(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: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin shows signs of irritation.
- Ingestion: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
- Inhalation: Move person to fresh air. If person is 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.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	> 200°F.
Test Method:	ASTM D-56
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	None.
Known Hazardous Products of Combustion:	None.
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:	Decomposition may generate ammonia gas, toxic nitrogen dioxide vapors.
Extinguishing Media:	Dry chemical or carbon dioxide.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store in contact with alkaline materials, 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:	Keep out of reach of children. Causes moderate eye irritation. Harmful if swallowed or inhaled. Avoid contact with eyes or clothing. Avoid breathing spray mist. Wear long-sleeved shirt, long pants and shoes plus socks when mixing or handling concentrate. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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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:	Long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber or viton).
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:	Brown liquid.
Odor:	Slight ammonia odor.
pH:	6.0
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	> 1.0
Boiling Point:	106°C (223°F)
Freezing Point:	Not available.
Water Solubility:	Completely miscible.
Density:	10.17 lbs./gal
Evaporation Rate:	< 1.0
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Avoid contact with strong acids, bases or oxidizers.
Incompatibility:	Not available.
Hazardous Decomposition Products:	Burning may generate ammonia gas, toxic dioxide vapors, and unidentified organic compounds in smoke.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Mild irritant. May cause redness and/or burning.
Skin:	Mild irritant, especially from prolonged exposure, May cause redness.
Ingestion:	Not known, but may cause dizziness, abdominal cramps, vomiting and diarrhea if large quantities are swallowed.
Inhalation:	None expected, but aerosol mist may cause mild irritation of nasal mucous membranes.

Subchronic Effects: None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Daphnia: The 48-hr EC ₅₀ and 95% confidence interval were reported as 7.7 mg/L and 6.3 – 13 mg/L, respectively. Rainbow Trout: The 96-hr LC ₅₀ and the 95% confidence interval were reported as > 100 mg/L, not calculable, respectively. The 96-hr NOEC was 100 mg/L, the highest concentration tested.
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 waste disposal 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.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	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 nitrate (9.0%)

PROPOSITION 65 (CA): None.

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.