

MATERIAL SAFETY DATA SHEET

MONTEREY WEED-HOE

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Issue Date: 06/01

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY WEED-HOE

EPA Reg. No. 19713-42-54705

Common Name: Liquid Organic Arsenical (Herbicide).

Chemical Description: Monosodium Acid Methanearsonate (MSMA).

TSCA/CAS No.: The primary CAS No. is 2163-80-6.

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) 435-2163

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)
Monosodium Acid Methanearsonate	2163-80-6	47.6	0.5 mg/m ³	N.P.*

* N.P. - Not Pertinent

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Light green solution with slight odor. Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Not D.O.T. regulated.

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

SECTION 4. FIRST AID

Eyes: Flush with plenty of water for at least 15 minutes. Seek medical attention if needed.

Skin: Wash thoroughly with soap and water. Seek medical attention if irritation persists.

Ingestion: Drink several glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention. Treat symptomatically and supportively.

Inhalation: Remove victim to fresh air. Obtain medical attention if needed.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	Noncombustible.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	Not available.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	None known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Not known.
Extinguishing Media:	Use dry chemical or carbon dioxide. Use of water or foam should be discouraged to prevent spreading of material.
Special Firefighting Procedures:	Self-contained breathing apparatus should be worn by firefighters in buildings or confined areas. Stay upwind. Contain 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 plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Protect from excessive heat. 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 and domestic animals. Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Keep children and domestic animals off treated areas until washed into the soil. Avoid contamination of feed or food products.

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, waterproof gloves, and chemical resistant footwear plus socks.
Respiratory:	Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter.
Ventilation:	Recommended.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Light green solution.
Odor:	Slight odor.
pH:	6 - 7.
Vapor Pressure:	15mm Hg.
Vapor Density (Air = 1):	0.6
Boiling Point:	220°F
Freezing Point:	Not available.
Water Solubility:	Complete.
Density:	12.6 lbs./gal.
Evaporation Rate:	Not determined.
Viscosity:	Not available.
% Volatile:	Approximately 45%.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Do not store or use in aluminum equipment.
Incompatibility:	Heavy metal salts may precipitate compound.
Hazardous Decomposition Products:	Reducing agents may release arsine gas.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	May be irritating to eyes.
Skin:	Mildly irritating to the skin. LD ₅₀ (Rabbits): > 2,500 mg/kg.
Ingestion:	Moderately toxic. May cause burning throat, colicky stomach, muscle pain, garlic odor of breath or skin. LD ₅₀ (Rat): 2,833 mg/kg.
Inhalation:	May be irritating to respiratory tract.

Subchronic Effects: Not known.

Chronic Effects: Not 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 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:	Compounds, Tree or Weed Killing (Herbicide), Liquid. NMFC Item 50520, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: Not listed.

SARA TITLE III, Section 313 Toxic Chemicals: Arsenic compounds (22.0%).

PROPOSITION 65 (CA): Not listed.

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.