

MATERIAL SAFETY DATA SHEET

MONTEREY BRUSH & VINE CONTROL Page 1 of 4

Issue Date: 03/12

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY BRUSH & VINE CONTROL

EPA Reg. No. 62719-226-54705

Common Name: Liquid brush killer.

Chemical Description: Triclopyr, triethylamine salt.

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

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. INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Triclopyr, triethylamine salt	57213-69-1	8.8	*N.A.	*N.P.

* N.A. - Not Available.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Light purple-pink liquid with ammonia like odor. Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. This chemical has properties and characteristics associated with chemicals detected in groundwater. Do not use in areas where soils are permeable, particularly where water table is shallow. Not D.O.T. regulated.

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

SECTION 4. FIRST AID

Eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. 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 person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

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

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	199°F (93°C)
Test Method:	Not applicable.
LEL Flammable Limits:	Not determined.
UEL Flammable Limits:	Not determined.
Autoignition Temperature:	Not determined.
Flammability Classification:	Non-flammable.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
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:	Toxic, irritating vapors may be formed or given off if product is involved in fire. Although product is water-based, it has a flash point due to the presence of triethylamine.
Extinguishing Media:	Water, carbon dioxide or foam.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing (includes fire-fighting helmet, coat, pants, boots, and gloves. If protective equipment is not available or not used, fight fire from a protected location or safe distance. 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:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures above 40°F. 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. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Wear protective clothing such as a long-sleeved shirt, long pants, chemical-resistant gloves made of any waterproof material, and shoes and socks when applying this product. Remove contaminated clothing and wash clothing before reuse. Do not contaminate feed and foodstuffs.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

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:	Impervious gloves and clothes.
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:	Light yellow to light purple liquid.
Odor:	Ammonia-like odor.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Not available.
Boiling Point:	Not determined.
Freezing Point:	Not available.
Water Solubility:	Soluble.
Density:	8.5 lbs./gal
Evaporation Rate:	Not determined.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions To Avoid:	Freezing. Heat, flames and sparks.
Incompatibility:	Oxidizing agents.
Hazardous Decomposition Products:	Decomposition can lead to release of nitrogen oxides and hydrogen chloride.
Hazardous Polymerization:	Not known to occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Moderate eye irritation with temporary corneal injury.
Skin:	A single prolonged exposure is not likely to result in material being absorbed through the skin in harmful amounts. LD ₅₀ (Rabbits) > 2000 mg/kg.
Ingestion:	Single dose toxicity is considered to be low. The oral LD ₅₀ for rats is >3700 mg/kg. Harmful effects not anticipated from swallowing small amounts.
Inhalation:	No adverse effects are anticipated from single exposure to mist. The aerosol LC ₅₀ for rats is >5.0 mg/L for 4 hours (limit test).

Systemic (Other Target Organ) Effects: Excessive exposure may cause liver or kidney effects.

Cancer Information: did not cause cancer in laboratory animals.

Teteratology: For the active ingredient, birth defects are unlikely.

Reproductive Effects: Triclopyr did not interfere with reproduction in animal studies.

Mutagenicity: For triclopyr, in-vitro and mutagenicity tests and mutagenicity studies were negative.

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 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: Compounds, Tree or Weed Killing (Herbicide), Liquid.
NMFC Item 50320, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

SARA TITLE III, Section 313 Toxic Chemicals: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

PROPOSITION 65 (CA): None.

STATE RIGHT-TO-KNOW: The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>LIST</u>
Triclopyr, triethylamine salt	57213-69-1	NJ1, NJ3, PA1, PA3
NJ1=	New Jersey Specialty Health Hazard Substance (present at < or = to 0.1%).	
NJ3 =	New Jersey Workplace Hazardous Substance (present at greater than or equal to 1.0%).	
PA1 =	Pennsylvania Hazardous Substance (present at > or = to 1.0%)	
PA3 =	Pennsylvania Environmental Hazardous Substance (present at greater than or equal to 1.0%).	

OSHA HAZARD COMMUNICATION STANDARD: This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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.