

MATERIAL SAFETY DATA SHEET

VOLE WHACKER

Page 1 of 4

Issue Date: 04/06

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

VOLE WHACKER

EPA Reg. No. 72500-6-54705

Common Name: Anticoagulant vole bait (granular).

Chemical Description: Warfarin.

TSCA/CAS No.: The primary CAS No. is 81-81-2.

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)
Warfarin	81-81-2	0.025	*N.A.	*N.P.

* N.A. - Not Available

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Blue green grain with grain odor. May be harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid strong alkaline materials. Not DOT 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. If irritation persists, contact a physician.

Skin: Take off contaminated clothing. Wash thoroughly with soap and water.

Ingestion: Call a poison control center, doctor or 1-800-858-7378 for immediate treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless instructed by a poison control center or doctor.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Notes to Physician and Veterinarian: This product may reduce the clotting ability of blood and cause bleeding. If ingested, administer Vitamin K-1 intramuscularly or orally. Repeat as necessary based on monitoring of prothrombin times.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Not applicable.
Test Method:	Not applicable.
LEL Flammable Limits:	Not applicable.
UEL Flammable Limits:	Not applicable.
Autoignition Temperature:	Not applicable.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	Not applicable.
Potential For Dust Explosion:	Not known.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	Not known.
Extinguishing Media:	For small fires, use water spray, carbon dioxide, dry chemical powder, or foam.
Special Firefighting Procedures:	Use full-faced self-contained breathing apparatus along with full protective gear.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Sweep up all spilled bait carefully and place in plastic container with lid for disposal. Wash spill area after material pickup is complete.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container in a cool, dry place inaccessible to children, pets, and wildlife. Store at room temperature. Avoid exposure to excessive heat or cold. Bait is stable for a minimum of 1 year when stored correctly at room temperature. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Not applicable.
Work/Hygienic Practices:	Keep out of reach of children, pets and domestic animals. May be harmful if swallowed or absorbed through skin because this material may reduce the clotting ability of blood and cause bleeding. Do not get in eyes, on skin or clothing. Wash arms, hands and face with soap and water after applying and before eating or smoking.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	None required.
Skin:	Long-sleeved shirt, long pants, shoes plus socks and rubber gloves.
Respiratory:	None required.
Ventilation:	None required.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Blue green grain.
Odor:	Grain.
pH:	Not applicable.
Vapor Pressure:	Not applicable.
Vapor Density (Air=1):	Not applicable.
Boiling Point:	Not applicable.
Freezing Point:	Not applicable.
Water Solubility:	Not applicable.
Density:	44.9 lb/ft ³
Specific Gravity:	1.0
Evaporation Rate:	Not applicable.
Viscosity:	Not applicable.
% Volatile:	Not applicable.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	None.
Incompatibility:	Avoid strong alkaline materials.
Hazardous Decomposition Products:	Not available.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Minimally irritating.
Skin:	Non-irritating. LD50 >2000 mg/kg (rats).
Ingestion:	May cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, or bleeding. LD50= >5,000 mg/kg.

Inhalation: None expected.

Subchronic Effects: Not known.

Chronic Effects: Not known.

SECTION 12. ECOLOGICAL INFORMATION

Published data demonstrated lack of secondary toxicity when 250 ppm warfarin baits fed to rats, then rats fed to magpies and canivores.

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:	Vermin Exterminators.
	NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION
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CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

Proposition 65: 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.