

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Borer Miner Killer

ID # 4408

Date: August 22, 2007

Section I

Bonide Products, Inc. (800) 424-9300
6301 Sutliff Rd. (315) 736-8231
Oriskany, NY 13424

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Permethrin [CAS NO. 52645-53-1]	TWA - N/E	STE - N/E		2.50
Aqueous/emulsion Diluents	TWA - N/E	STE - N/E		97.50

Section III - Physical/Chemical Characteristics

PHYSICAL FORM: Liquid COLOR: opaque/white pH: 6.5 to 7.0
ODOR: Slight Insecticide type odor. SPECIFIC GRAVITY: - 0.9975 LD₅₀ DERMAL: * >2000 mg/kg
VAPOR PRESSURE: N/E LD₅₀ ORAL: * >4000 mg/kg

Section IV - Fire/Explosion Hazards

FLASH POINT: Aqueous base product. Will not flash or burn. Will "steam" from water content.
FLAMMABILITY: N/E
EXTINGUISHING MEDIA for cardboard shipping cartons: Water Fog; CO₂ or Chemical foam.
FIRE FIGHTING COMMENTS: Foam/Fog system preferred. Remove closed case goods from path of fire. Use fog nozzles if water is used. Use air supplied or canister breathing masks for protection against burning cases and cartons.
UNUSUAL FIRE/EXPLOSION HAZARD: None. Toxic vapor from heated product - Does not contain explosive ingredients.

Section V - Reactivity Data

STABILITY: Stable
POLYMERIZATION: Will Not Occur
CONDITIONS TO AVOID: Do not allow products to freeze, If frozen warm to ambient temperature, thoroughly mix and test spray a small leaf area of plant to assure that product will work properly.
DECOMPOSITION: Product is a diluted water base Insecticide and not likely to have any hazardous decomposition.

Section VI - Storage and Handling

STORAGE: Store product in its original labeled container in a cool, dry, locked place out of reach of children. Keep away from food, feed and feed stock. Always practice good hygiene when handling this or any pesticide or chemical. KEEP OUT OF REACH OF CHILDREN.
STORAGE TEMPERATURES: Ambient (Average Warehouse) Temperatures. Do not allow to freeze.
EYE PROTECTION: Safety glasses or goggles.
SKIN: Avoid contact. Wear Rubber or neoprene gloves. Body covering clothing: shoes plus socks. Wash thoroughly after handling; launder contaminated clothing separate from other laundry.
RESPIRATOR TYPE: None likely needed during application. (Coarse spray droplets from Hose-End Sprayer) For outside use only. Avoid mist or vapors, stay upwind when applying.
PRODUCT DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Excess product may be disposed of on site or at an approved disposal facility or continue to use up all product as directed for insect control.
CONTAINER DISPOSAL: Do not re-use empty container; wrap in several layers of newspaper and discard in trash. Do not discard unused product into drains or the environment.

Section VII - FIRST AID

PRODUCT LABEL BEARS ONLY THE "CAUTION" SIGNAL WORD.

FIRST AID: IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

EYES: Rinse eyes for at least 15 minutes with plenty of water. Call a physician if irritation persists.

SKIN: Wash promptly and thoroughly with plenty of soap and water. Wash contaminated clothing. Get medical attention if irritation persists.

INHALATION: Remove victim to fresh air. Apply artificial respiration if needed to keep victim breathing.

NOTE TO PHYSICIAN: Permethrin is considered a mild irritant and moderately toxic. Treat symptomatically.

CAUTION: May be harmful if swallowed or absorbed through the skin. Avoid breathing spray mist or vapors. Do not take internally. Avoid contact with skin, eyes or clothing. Wash hands and face thoroughly after handling and before eating, drinking or smoking.

Section X - Transportation

D.O.T. SHIPPING NAME: Misc. Lawn & Garden Insecticide Class N.O.S.

D.O.T. HAZARD CLASS: N.O.S. Non-hazardous

D.O.T. LABELS REQUIRED: No I.D. Number: N.O.S.

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KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

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