

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

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

IDENTITY (As Used on Label and List)

Bonide Bug Beater Yard & Garden Insect Fog

ID # 4376

Date: May 16, 2013

Section I

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300 (Chemtrec)
(315) 736-8231

Section II - Ingredients/Identity

Component (Specific Chemical Identity: Common Name(s))	OSHA	PEL	ACGIN	TLV	Other Limits	% (Optional)
Pyrethrins CAS#8003-34-7	None	None	None	None	None	0.25%
Piperonyl Butoxide CAS# 51-63-6	None	None	None	None	None	2.00%

EMERGENCY OVERVIEW:

WARNING: May be harmful if swallowed, inhaled or absorbed through skin. May cause skin irritation and/or eye irritation. May cause gastrointestinal effect such as nausea, vomiting and diarrhea.

Section III – First Aid Measures

EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove to fresh air. Seek medical attention if irritation persists.

INGESTION: Do not induce vomiting. Contact physician for further treatment.

NOTE TO PHYSICIANS: Ingestions of large quantities can result in nervous system effects such as dizziness, loss of coordination, tremors and loss of consciousness. Symptoms usually regress with no long lasting effects.

Section IV – Fire/Explosion Hazard Data

FLASH POINT: > 240° F; 120° C

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam or Water.

FIRE FIGHTING COMMENTS: Isolate fire area. Evacuate downwind residents and all areas where fire seriously threatens the product containers. Wear full protective clothing including rubber boots, neoprene gloves and self-contained breathing apparatus. Attempt to keep containers cool. Do not breathe or contact smoke or vapors. Contain the run-off, if possible, for proper disposal.

Section V – Accidental Spill or Release

SPILL OR LEAK: Isolate and post spill area. Keep material out of streams and sewers. Contain and absorb spilled material with a solid absorbent such as sand, cat litter, commercial clay or other suitable absorbent. Place in an approved drum and dispose of material following the method outlined below under "Disposal Information".

Section VI - Storage and Handling

STORAGE: Store in a cool, dry place separate from feed, food stock or potable water. Do not Freeze. Keep out of reach of children. Store in original container fastened or secured closed. Avoid overheating and freezing. Practice good hygiene.

HANDLING PRECAUTIONS: Avoid spray or mist. Avoid contact with eyes, skin, or clothing. Practice good hygiene. Wash thoroughly after handling and before eating, drinking or smoking. Handle open container in a manner to prevent unintentional spillage. Do not allow material or rinsing to enter streams, sewers or other waterways.

Section VII - Personal Protection & Exposure Controls

EYES: Safety glasses or face shield. A source of clean water for flushing the eyes should be nearby.

HAND & BODY PROTECTION: Rubber or other impervious gloves. Wear long-sleeved shirt and long pants and shoes with socks. Wash thoroughly after handling. Launder clothes separately.

RESPIRATORY PROTECTION: Stay up wind of product when applying, avoid breathing mist.

Section VIII- Physical and Chemical Properties

APPEARANCE: Clear to yellow liquid
 PHYSICAL STATE: Liquid
 MELTING POINT/FREEZE POINT: ND
 VAPOR DENSITY (Air=1): ND
 pH: 6.5 – 7.5

ODOR: Mild oil
 BOILING POINT RANGE: >100° C
 VAPOR PRESSURE: ND
 SPECIFIC GRAVITY: .0.840 – 0.844

Section IX–Stability & Reactivity Data

STABILITY: Stable
 HAZARDOUS DECOMPOSITION PRODUCTS: None noted
 HAZARDOUS POLYMERIZATION: Will not occur.
 CONDITIONS TO AVOID: High heat and open flames.

INCOMPATIBLE MATERIALS: Strong acids and oxidizers.

Section X- Toxicology Information

ACUTE ORAL EFFECTS: LD50 > 3,000 mg/kg
 ACUTE INHALATION EFFECTS: LC₅₀>7.5 mg/L air
 CARCINOGENICITY: NTP: No IARC: No OSHA: No

TERATOGENICITY (BIRTH DEFECTS): There were no birth defects or adverse effects on reproductive parameters in test with rats or rabbits for either pyrethrum or piperonyl butoxide. They are not considered to be teratogenic.

MUTAGENICITY (GENETIC EFFECTS): Pyrethrum was not found to be genotoxic and did not damage DNA in any study conducted (Ames mutagenicity assay, chromosome aberration in chinese hamster ovaries (CHO) cells, and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

PBO was not genotoxic in several tests including the Ames mutagenicity assay, chromosome aberration in chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation, and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

Section XI- Ecological Data

Toxic to fish. Do not apply directly to water, or to areas where surface water is present or in areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of water.

Section XII - Disposal Information

WASTE DISPOSAL: Because acceptable methods of disposal may vary by location and because regulatory In case of a large spill or leak, contain liquid with sand or other noncombustible material, then place in clean container for disposal.

Wastes, including spills or rinsates, and leftover pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures. Steel containers which contained these materials must be crushed and disposed of in a sanitary landfill. Do not cut or weld steel containers.

Section XIII- Transportation Information

DOT: Not Regulated
 RCRA: Not Regulated

Section XIV -Other Regulatory Information

SARA TITLE III: EHS – No, CERCLA Reportable – No, Toxic chemicals - No
 NFPA HAZARD RATING: Health: 1, Fire: 1, Reactivity: 0, Special:

NOTICE: This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE
 TLV: THRESHOLD LIMIT VALUE
 STEL: SHORT TERM EXPOSURE LIMIT

N/E: NOT ESTABLISHED
 TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY
 D.O.T.: DEPARTMENT OF TRANSPORTATION

ND: Not Determined

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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