

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)

Bonide Mosquito Beater Yard Fogger (Aerosol)

ID # 4429

Date: September 16, 2011

Section I

Bonide Products, Inc.	(800) 424-9300
6301 Sutliff Road	(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# 52645-53-1)	N/E	N/E		0.15
Tetramethrin (CAS# 7696-12-0)	N/E	N/E		0.15
Piperonyl butoxide (CAS# 51-03-6)	N/E	N/E		0.75

EMERGENCY OVERVIEW: Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Contents under pressure.

Section III - First Aid Measures

EYES: Flush with plenty of water. Call a physician if irritation persists.
SKIN: Wash thoroughly with soap and water.

Section IV - Firefighting Measures

FLAMMABLE PROPERTIES: FLASH POINT: 159°F TCC
FIRE AND EXPLOSION HAZARDS: Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, or Water.
FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

Section V - Accidental Release Measures

Soak up with an absorbent material and dispose of in trash.

Section VI - Handling and Storage

STORAGE PRECAUTIONS: Do not store near heat or open flame. Store in a cool, dry area away from children.
HANDLING PRECAUTIONS: Avoid contact with eyes or clothing. Do not use in commercial food/feed handling establishments, restaurants, or other sites where food/feed is commercially prepared or processed. Not for use in USDA meat and poultry plants.
WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling.

Section VII - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Use in a well-ventilated area.
EYE/FACE PROTECTION: Safety glasses
SKIN PROTECTION: Chemical-resistant gloves.

Section VIII - Physical/Chemical Ingredients

APPEARANCE: Liquid	PH: NA
DENSITY: 6.55 lbs/gal	PHYSICAL STATE: Liquid
VISCOSITY: 20.3 cp @ 22°C	SOLUBILITY (H ₂ O): NA
ODOR: Odorless to faint deodorized kerosene odor.	

Section IX - Stability & Reactivity

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.

Section X - Toxicological Information

ACUTE STUDIES: Acute toxicity data is bridged from a similar product; Tetraperm Wasp & Hornet Killer FEQ 24, EPA Reg. 432-776, which contains 0.15% Tetramethrin, 0.375% Permethrin, and 0.75% Piperonyl Butoxide.

EYE EFFECTS: Moderately irritating.

SKIN EFFECTS: IRRITATION: Slightly irritation.

ABSORPTION: LD50 > 18.92 /mgL (for DOT classification)

SENSITIZATION: Positive

ACUTE ORAL EFFECTS:

LD50 > 5,000 mg/kg

ACUTE INHALATION EFFECTS:

4-hour LD50 > 4.73 mg/L

CHRONIC (CANCER INFORMATION):

A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

A statistically significant increase in the number of benign liver tumors appeared in mice fed piperonyl butoxide technical at doses which far exceed any anticipated daily human intake. Independent and industry toxicological experts who have reviewed the data agree that the findings of the study do not indicate a health risk to human beings.

CARCINOGENICITY:

NTP: No

IARC: No

OSHA: No

Section XI - Ecological Information

This product is toxic to fish and aquatic invertebrates. No not apply directly to water.

Section XII - Disposal Consideration

Replace cap, wrap container in several layers of newspaper and discard in trash. Do not incinerate or puncture. Can be disposed of with other recyclables where local law permits.

Section XIII - Transport Information

PROPER SHIPPING NAME: Aerosols, Nonflammable

HAZARD CLASS: 2.2

DOT IDENTIFICATION NUMBER UN1950

DOT SHIPPING LABEL: Nonflammable gas

Section XIV - Regulatory Information

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

<u>CAS NUMBER</u>	<u>INGREDIENT NAME</u>	<u>PERCENT BY WEIGHT</u>
7696-12-0	Tetramethrin	=0.1
52645-53-1	Permethrin	=0.25
51-03-6	Piperonyl butoxide	=0.5

This information must be included on all MSDS's that are copied and distributed for this material.

REGULATED INGREDIENTS:

INGREDIENT: Tetramethrin

CAS NUMBER: 7696-12-0

PERCENT BY WEIGHT: = 0.1

REGULATIONS: SARA Section 313 Toxic Chemical

INGREDIENT: Permethrin

CAS NUMBER: 52645-53-1

PERCENT BY WEIGHT: = 0.25

REGULATIONS: Massachusetts Hazardous Substance

New Jersey Workplace Hazardous Substance

SARA Section 313 Toxic Chemical

INGREDIENT: Piperonyl butoxide
CAS NUMBER: 51-03-6
PERCENT BY WEIGHT: = 0.5
REGULATIONS: SARA Section 313 Toxic Chemical

INGREDIENT: Carbon dioxide
CAS NUMBER: 124-38-9
PERCENT BY WEIGHT: > 2
REGULATIONS: Illinois Toxic Substance
Massachusetts Hazardous Substance
New Jersey Workplace Hazardous
Pennsylvania Workplace Hazardous Substance

Section XV - Other Information

HMIS HAZARD RATING:	NFPA HAZARD RATING:
HEALTH: 1 Slight	HEALTH: 1 Slight
FIRE: 2 Moderate	FIRE: 2 Moderate
PROTECTION: B	PROTECTION: B

MSDS IDENTIFICATION CODE/NUMBER: 4392

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE	N/E: NOT ESTABLISHED	ND: Not Determined
TLV: THRESHOLD LIMIT VALUE	TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY	
STEL: SHORT TERM EXPOSURE LIMIT	D.O.T.: DEPARTMENT OF TRANSPORTATION	

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.