

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 Bug Beater Yard & Garden Ready-To-Use

**ID # 4383**

Date: March 10, 2008

### Section I

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

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

### Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Esfenvalerate CAS#66230-04-4	None	None	None	0.0033%

### Section III - Physical/Chemical Ingredients

PHYSICAL STATE: Liquid

ODOR: slight odor of petroleum solvent      pH: 6.0

APPEARANCE: Clear Amber Liquid

PERCENT VOLATILE: Less than 1%

MELTING POINT: Not Available

SOLUBILITY (H<sub>2</sub>O): Emulsifiable

SPECIFIC GRAVITY: 1.001 at 20 degree C

### Section IV - Fire and Explosion Data

FLASHPOINT: >200 °F

FLAMMABILITY LIMITS: UFL: N/A      LFL: N/A

EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical, foam.      DEGREE OF FIRE/EXPLOSION HAZARD:

Combustible liquid. SPECIAL FIRE FIGHTING PROCEDURES: 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. CONDITIONS TO AVOID (INCOMPATIBILITY): Heat and fire. Thermal decomposition and burning may produce toxic by-products and an explosion hazard. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and nitrogen oxides. Contain the run-off, if possible, for proper disposal.

### Section V - Reactivity Data

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid contact with strong oxidizers, acids and bases.

### Section VI - Health Hazard Information

**IMMEDIATE CONCERNS:** Causes skin irritation and moderate eye irritation. Do not get on skin, eyes or clothing. Harmful if inhaled or absorbed through the skin. Avoid breathing vapor or spray mist. Do not use near heat, open flame, or any ignition source. Keep out of reach of children.

**EYES:** This product is moderately irritating to the eyes. Eye contact may result in discomfort, tearing, swelling redness, and blurred vision.

**SKIN:** This product causes skin irritation. This product is harmful if absorbed through the skin

**INGESTION:** Can cause stomach irritation resulting in nausea, cramps and vomiting. Can cause nervous system disorders such as fatigue, dizziness, headaches and lack of coordination. The degree of effects will depend on the amount of material ingested.

**INHALATION:** Excessive inhalation can cause nasal and respiratory irritation, nausea, and nervous system disorders such as fatigue, dizziness, headaches, lack of coordination, tremors, and unconsciousness.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None presently known

**CARCINOGENICITY:** NTP: No      IARC: No      OSHA: No

## Section VII - Precautions for Safe Handling/Use

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### FIRST AID:

**EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**SKIN:** Remove contaminated clothing and wash with soap and water immediately. Obtain medical attention if irritation persists.

**INHALATION:** Remove to fresh air. If breathing is difficult or if any discomfort persists, obtain medical attention.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** This product contains a significant amount of petroleum distillate, therefore ingestion of this product or subsequent vomiting can result in aspiration which can cause chemical pneumonitis. This product contains Esfenvalerate, a cyano-pyrethroid that has the potential to cause temporary dermal paresthesia, e.g. burning, tingling, stinging sensations, that may occur following overexposure. However, using spray dilutions as indicated on the product label, it is unlikely that skin exposure to the spray mist will deliver sufficient concentrations of the active ingredient to trigger the dermal symptoms.

### PROTECTIVE REQUIREMENTS:

**VENTILATION:** General exhaust ventilation is considered sufficient.

**WORK CLOTHING:** Wear long-sleeved coveralls or uniform, cap, safety shoes and neoprene gloves.

**EYE PROTECTION:** Where potential of splashing exists, or contact with mist, protective goggles and face shield should be worn. A source of clean water for flushing the eyes should be nearby.

**RESPIRATORY PROTECTION:** Do not breathe product vapor or mist. In the workplace, use appropriate respiratory protection.

## Section VIII - Environmental and Disposal Information

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**STORAGE AND HANDLING:** Store in a cool, dry place and avoid excess heat. Store in original containers only. Wash hands and other exposed skin surfaces prior to smoking or consuming food or beverages. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by improper storage or disposal.

**SPILL OR LEAK:** Isolate and post spill area. Wear prescribed protective clothing and equipment. 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 "Waste Disposal". To decontaminate spill area, tools and equipment, wash with a suitable solution (e.g. organic solvent, detergent, bleach or caustic) and dispose of solution following the method outlined below under "Waste Disposal".

**WASTE DISPOSAL:** Open dumping or burning of this material is prohibited. An acceptable method of disposal is to burn in an incinerator in accordance with all local, state and federal environmental laws, rules, standards and regulations. Because acceptable methods of disposal may vary by location and because regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal. Steel containers which contained these materials must be crushed and disposed of in a sanitary landfill. Do not cut or weld steel containers.

**DOT PROPER SHIPPING NAME:** Not Regulated

**MARINE POLLUTANT #1** – Esfenvalerate – Listed as a Severe Marine Pollutant (49 CFR, part 172.101)

**NFPA CODES:** Fire: 1      Health: 1      Reactivity: 1

## KEEP OUT OF REACH OF CHILDREN

### ABBREVIATION KEY

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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.