

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 Total Release Flea Fogger

**ID # 102116234**

Date: March 10, 2008

## Section I

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

## Section II - Hazardous Ingredients/Identity

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Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH	TLV	Other Limits	% (Optional )
2-{1-Methyl-2-{4-phenyloxyphenoxy} ethoxy} pyridine				.100%	
Pyrethrins				.050%	
N-Octyl bicyclopheptene dicarboximide				.400%	
Permethrin				.400%	
Related Compounds				.035%	
Inert Ingredients				99.015%	

\*Contains Petroleum Distillates

## Section III – Physical/Chemical Characteristics

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APPEARANCE: Non-volatiles. Pale yellow-colored liquid. ODOR: Odor of petroleum solvent.  
SOLUBILITY IN WATER: Non- volatiles are an emulsion. BOILING POINT: N/E  
SPECIFIC GRAVITY (@ 20 CENTIGRADE): 0.968 for non-volatiles  
CHEMICAL FAMILY: water based aerosol

## Section IV – Reactivity Data

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STABILITY: Stable  
INCOMPATIBILITY (conditions to avoid): Avoid heat and open flames. Do not puncture aerosol container. Avoid temperatures over 120° F.  
HAZARDOUS DECOMPOSITION PRODUCTS: Unknown  
HAZARDOUS POLYMERIZATION: Will Not Occur

## Section V - Fire/Explosion Hazards

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FLASH POINT (Method Used): Flash point of non-volatiles is 172°F (Tag closed Cup).  
FLAMMABILITY LIMITS: N/E  
EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical or water fog.  
FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal. Water spray may be used to cool cans in the vicinity of fire or excessive heat.  
UNUSUAL FIRE/EXPLOSION HAZARD: Heating the aerosol container may build up pressure, causing it to burst.

## Section VI – Spill or Leakage Procedures

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PRECAUTIONS IN CASE OF SPILLS OR LEAKS: Eliminate all ignition sources. Contain the spill. Soak up the spill with an appropriate absorbent and transfer into waste container for proper disposal. Clean the spill area with detergent and water.  
WASTE DISPOSAL METHOD: contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.  
RCRA/CERCLA HAZARDOUS WASTE: CERCLA RQ-value for pyrethrins is 1 lb.

## Section VII - Storage and Special Handling

Store containers upright and closed. Store in areas that are cool, dry, and well-ventilated. Store away from heat, ignition sources and strong oxidizers. Do not contaminate water, feed or food by storage, handling, application or disposal. Do not puncture or incinerate container. Do not direct spray towards face. Do not deliberately inhale spray or mist. Do not apply over cuts, wounds or open skin. Read and follow all precautions and instructions on the product label.

## Section VIII - Special Protection Information

EYE PROTECTION: Safety glasses or goggles recommended

PROTECTIVE CLOTHING: Avoid contact with skin and clothing. Wash hands thoroughly after handling or using product. Wash contaminated clothing separate from other laundry.

VENTILATION: Mechanical ventilation may be useful when using this product in enclosed spaces.

## Section VII - Health Hazard Data

OCCUPATIONAL EXPOSURE LIMIT: Not established.

CARCINOGENICITY: Not established, but none of the ingredients are considered carcinogenic.

PRIMARY ROUTES OF ENTRY: Skin, inhalation. Ingestion possible but not likely.

SYMPTOMS AND EFFECTS OF OVEREXPOSURE	ROUTE OF ENTRY	EMERGENCY AND FIRST AID PROCEDURES
Force of released product may damage the eyes.	EYES	Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
Prolonged or repeated exposure may cause irritation and reddening of the skin.	SKIN	Immediately flush affected areas with water. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention.
Excessive inhalation can cause nasal and respiratory irritation, headaches and nervous system depression (fatigue, dizziness, loss of coordination).	INHALATION	Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and get medical attention immediately.
Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can also cause nervous system depression (fatigue, dizziness, loss of coordination).	INGESTION	DO NOT induce vomiting. Keep affected person warm and quiet and get medical attention immediately.

Acute oral LD(50) > 5 g/kg (rats). Acute Dermal LD(50) .> 2 g/kg (rabbits). Acute Inhalation LD(50) > 5.12 mg/L-air.

## Section X – Sara Title III/Section 313 Supplier Notification

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

CAS #	CHEMICAL NAME	PERCENT BY WEIGHT
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This product contains no section 313 chemicals.

## 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

### 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.