

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 Spider Killer (Aerosol)

**ID # 4461**

Date: February 4, 2008

### 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)
S-Bioallethrin (CAS# 28434-00-6)	N/E	N/E		0.05
Deltamethrin (CAS# 52918-63-5)	N/E	N/E		0.02
Balance Inert Ingredients				

### Section III - Physical/Chemical Ingredients

APPEARANCE: Off White Liquid Aerosol  
ODOR: Soapy detergent, faint oily like PH: 5.6 (premix)  
DENSITY: 8.10 lbs/gal PHYSICAL STATE: Liquid  
STABILITY: Stable  
INCOMPATIBILITY : Strong oxidizing agents and acids SOLUBILITY (H<sub>2</sub>O): Emulsifiable  
HAZARDOUS POLYMERIZATION: Will not occur.

### Section IV - Fire and Explosion Data

FLAMMABLE PROPERTIES:

FLASH POINT: 168°F METHOD: TTC

FIRE AND EXPLOSION HAZARDS: Flammable. 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. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

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. Keep upwind. Isolate hazard area. Avoid Inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Dike runoff. Cool containers with flooding amount of water from as far a distance as possible. Avoid breathing vapors.

Hazardous Combustion Products: May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, etc.

### Section V - Health Hazard Information

EMERGENCY OVERVIEW: Causes minimal eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. This product is toxic to fish and aquatic invertebrates and bees. Flammable, Contents under pressure.

Signs & Symptoms of Systemic Effects: May cause gastrointestinal effects such as nausea, vomiting and diarrhea. Inhalation of high vapor or mist concentration can cause respiratory tract and eye irritation as well as central nervous system effects including death.

PRIMARY ROUTE(S) OF ENTRY: Skin contact.

EYES: Causes minimal eye irritation.

SKIN: Minimally irritating. Skin contact may result in transient tingling and reddening of the skin. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping and reddening. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

INGESTION: May cause irritation if ingested. Not an expected route of exposure for an aerosol product.

INHALATION: Slightly irritating. Harmful or fatal if inhaled in excess.

## Section VI - First Aid Measures

---

**EYES:** Flush with plenty of water for 15 minutes. Call a physician if irritation persists.

**SKIN:** Wash thoroughly with soap and water for 15 to 20 minutes. Remove contaminate clothing and launder separately before reuse. Contact physician if irritation persists.

**INGESTION:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration. Preferably mouth to mouth; if possible. Call a poison control center or doctor for further treatment advice.

**HINTS FOR PHYSICIAN:** this product is a synthetic Pryethroid pesticide. If ingested and vomiting has not occurred, emesis should be induced with supervision. Keep patient's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

Do not administer milk, cream or other substances containing vegetable or animal fats. These only enhance absorption of lipophilic substances.

If localized paresthesia develops, the site should be thoroughly washed soap and water. Cold cream can be applied to help diminish the effect.

## Section VII - Accidental Release Measures

---

**GENERAL:** Remove all sources of ignition. Ventilate area. Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water or ground water.

**CLEAN UP:** Rinse area with small amount of soapy water. Soak up with an absorbent material such as sand, sawdust, clay, fuller's earth etc. and dispose of in trash. Do not allow water to contaminate water supplies or sewers.

## Section VIII - Handling and Storage

---

**HANDLING PRECAUTIONS:**

Avoid breathing vapors or spray mist. Avoid contamination of feed and foodstuff. Avoid contact with eyes or clothing. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Do not use this product in or on electrical equipment due to possibility of shock hazard.

**STORAGE PRECAUTIONS:**

Do not store near heat or open flame. Store in a cool, dry area away from children. Do not store near feed or foodstuff. Do not transport or store below 32°F. Do not store near heat or open flame. Exposure to temperatures above 130°F may cause bursting.

**WORK/HYGIENIC PRACTICES:**

Wash thoroughly with soap and water after handling.

## Section IX - Exposure Controls/Personal Protection

---

**ENGINEERING CONTROLS:** Use in a well-ventilated area. Avoid being upwind of the mist or spray. Avoid breathing mist or spray.

**EYE/FACE PROTECTION:** Safety glasses

**SKIN PROTECTION:** Chemical-resistant gloves.

## Section X - Toxicological Information

---

**CHRONIC/ CARCINOGENICITY:**

**S-bioallethrin:** No known chronic effects based on available data.

**Deltamethrin:** General neurological symptoms were exhibited in studies with rats, mice and dogs. These symptoms included unsteadiness, abnormal gait, tremors and liquid feces. No histopathologic findings were observed except some signs of slight hepatotoxicity in mice. No Observed Effects Levels (NOEL's) were 1 mg/kg/day in the 2-year rat and dog studies. The NOEL for the 2-year mouse study was approximately 12mg/kg/day/ Deltametherin were not carcinogenic in rats or mice.

NTP: No      IARC: No      OSHA: No

**Section XI - Ecological Information****OTHER ENVIRONMENTAL 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.

RCRA HAZARDOUS WASTE INGREDIENTS: None

**Section XIII - Transport Information**

D.O.T. PROPER SHIPPING NAME: Consumer Commodity      RQ: NA

D.O.T. HAZARD CLASS: ORM-D

DOT IDENTIFICATION NUMBER: NA      EXEMPTION REQUIREMENT: 49 CFR 173.306

DOT SHIPPING LABEL: Nonflammable gas

**Section XIV - Regulatory Information**

REGULATIONS UNDER FIFRA: All pesticides are governed under FIFRA. Therefore the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of product, and storage of large quantities of products containing hazardous or extremely hazardous substances.

EPA REGISTRATION#: 73049-177

TSCA Inventory: Registered Pesticide, exempt fro TSCA

**SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATIONS**

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:

CAS NUMBER	INGREDIANT NAME	PERCENT BY WEIGHT
-----	NONE-----	

SARA Title III: Acute Health Hazard- Yes  
 Chronic Health Hazard- No  
 Fire Hazard- No  
 Sudden Release of Pressure – No  
 Reactivity Hazard- No

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

**REGULATED INGREDIENTS:**

INGREDIENT: Deltamethrin

CAS NUMBER: 52918-63-5

PERCENT BY WEIGHT: = 0.1

REGULATIONS: European Inventory of existing Commercial Substances

INGREDIENT: Isobutane

CAS NUMBER: 52645-53-1

PERCENT BY WEIGHT: = 0.02

REGULATIONS: Massachusetts Hazardous Substance  
 New Jersey Workplace Hazardous Substance  
 Pennsylvania Workplace Hazardous Substance

INGREDIENT: Propane

CAS NUMBER: 74-98-6

PERCENT BY WEIGHT: = <20

REGULATIONS: Illinois Toxic Substance  
 State right to know: NJ, MA, PA

INGREDIENT: Aliphatic Petroleum Distillates/Aliphatic hydrocarbon  
 CAS NUMBER: 64742-47-8  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: Canadian DSL; EINECS

INGREDIENT: Hydrotreated Middle Distillate  
 CAS NUMBER: 64742-46-7  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: Canadian DSL; EINECS  
 State Right to know: NJ, PA

INGREDIENT: Paraffinic Hydrocarbos  
 CAS NUMBER: 629-59-4,90622-46-1,64771-72-8 or 64742-47-8  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: US TSCA Inventory Status  
 Canadian DSL; EINECS  
 Australian (AICS), Japan (MITI)

INGREDIENT: Acetyltributyl Citrate  
 CAS NUMBER: 77-90-7  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: US TSCA Inventory Status  
 Canadian DSL; EINECS (201-067-0)  
 Australian (AICS), Japan (2-1327X)  
 Korean (KE-00158); Philippine (PICCS); Switzerland

INGREDIENT: Epoxidized Linseed Oil  
 CAS NUMBER: 8016-11-3  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: US TSCA Inventory Status  
 Canadian DSL; EINECS; Australian (AICS)

INGREDIENT: Nonionic Surfactants  
 CAS NUMBER: mixture  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: US TSCA Inventory Status  
 Canadian DSL; EINECS; Australian (AICS)  
 INGREDIENT: Polyoxyethylene (20) Sorbitan Monopalmitate  
 CAS NUMBER: 9005-66-7  
 PERCENT BY WEIGHT: 0<10  
 REGULATIONS: US TSCA Inventory Status  
 Canadian DSL; California Proposition 65- this product contains a chemical know to State of California to cause cancer and birth defects or other reproductive harm.

## Section XV - Other Information

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

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

**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.