

# MATERIAL SAFETY DATA SHEET

BUG BUSTER-O

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Issue Date: 09/04

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

#### BUG BUSTER-O

EPA Reg. No. 1021-1110-54705

Common Name: Liquid insecticide.

Chemical Description: Emulsifiable Pyrethroid.

TSCA/CAS No.: This product is a mixture - there is no specific CAS No.

### Manufactured For

Lawn and Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 435-2163

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Pyrethrins	8003-34-7	1.40	5 mg/m <sup>3</sup>	1 Lb.
Isopropyl Alcohol	67-63-0	10-40	980 mg/m <sup>3</sup>	N.P.*
Paraffinic, Naphthenic solvent	64742-47-8	40-65	100 ppm (525 mg/m <sup>3</sup> )	N.A.*

\* N.A. - Not Available

\* N.P. - Not Pertinent

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear amber liquid with alcohol type odor. Keep away from heat, sparks, and open flame. Harmful if swallowed. Do not induce vomiting due to aspiration pneumonia hazard. Avoid contact with skin, eyes and clothing. D.O.T. Flammable Liquid.

HEALTH: 1      REACTIVITY: 1      FLAMMABILITY: 3      ENVIRONMENT: 0  
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

## SECTION 4. FIRST AID

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

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a physician or poison control center immediately for treatment advice. Do not induce vomiting due to aspiration pneumonia hazard. Do not give any liquid to the person. Never give anything by mouth to an unconscious person.

**SECTION 4. FIRST AID (Continued)**

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

**Notice to Physicians:** Contains Pyrethrins and Petroleum Distillates – vomiting may pose an aspiration pneumonia hazard. For skin effects, a highly efficient therapeutic agent for Pyrethrin exposure is topical application of Tocopherol Acetate (Vitamin E).

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

Flash Point:	60°F
Test Method:	T.C.C.
LEL Flammable Limits:	Not established.
UEL Flammable Limits:	Not established.
Autoignition Temperature:	Not established.
Flammability Classification:	Flammable liquid.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	Carbon dioxide, dry chemical or foam.
Special Firefighting Procedures:	Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective wear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.
 Sensitive to Static Discharge:	 Yes, use proper bonding and/or grounding procedures.

**SECTION 6. SPILLS AND LEAKS**

**Containment:** Shut off ignition sources. Dike or contain release if possible. Immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Prevent product spillage from entering drinking water supplies or streams.

**Clean Up:** Collect liquid or absorb onto absorbent material and package for disposal according to local, state and federal regulations.

**Evacuation:** Not necessary.

**SECTION 7. STORAGE AND HANDLING**

**Storage:** Store containers upright and closed. Store in areas that are cool, dry and well-ventilated away from children and domestic animals. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues. Do not store near food or feeds. Do not stack pallets more than two (2) high.

**Transfer Equipment:** Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

**SECTION 7. STORAGE AND HANDLING (Continued)**

Work/Hygienic Practices: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with soap and water after handling.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

Skin: Wear long sleeves and trousers, chemical resistant gloves and additional protective clothing when needed to prevent dermal exposure.

Respiratory: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

Ventilation: Recommended but no TLV established.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance:	Clear amber liquid.
Odor:	Alcohol type odor.
pH:	5.3 @ 1.0% in water.
Vapor Pressure:	Not established.
Vapor Density (Air = 1):	Not established.
Boiling Point:	Not established.
Freezing Point:	Not known.
Water Solubility:	Emulsifiable.
Density:	6.97 lbs./gal.
Evaporation Rate:	Not determined.
Viscosity:	9.0 cps @ 23°C.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid:	Heat ignition sources.
Incompatibility:	Strong acidic or alkaline materials.
Hazardous Decomposition Products:	Not applicable.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

Eyes: Can cause temporary irritation, tearing and blurred vision.

Skin: Can cause burning sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure may cause irritation and reddening of the skin, possibly progressing into dermatitis. Dermal LD<sub>50</sub> (rabbit): > 2000 mg/kg.

Ingestion: Can cause stomach irritation, resulting in nausea, cramps and vomiting. Excessive ingestion can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Oral LD<sub>50</sub> (rat):

&gt; 5000 mg/kg.

**SECTION 11. POTENTIAL HEALTH EFFECTS**

Inhalation: Excessive inhalation may cause nasal and respiratory irritation.  
LC<sub>50</sub> (rat) 4Hr.: > 6.80 mg/l.

Subchronic Effects: None known.

Chronic Effects: None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition: Not known.

Toxicity to Fish and Invertebrates: Highly toxic to fish.

Toxicity to Plants: Not known.

Toxicity in Birds: Not known.

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. If container is empty: Do not reuse this container. Place in trash or offer for recycling. If container is partially filled: Call your local solid waste agency of 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**SECTION 14. TRANSPORTATION**

D.O.T.: Flammable Liquid, N.O.S. (Isopropanol), 3, UN 1993, PG II, Ltd. Qty. (No Hazard Labels/Placards Req.)

Other Shipping Description: Insecticides or Fungicides, Liquid.  
NMFC Item 102120, LTL Class 60

**SECTION 15. REGULATORY INFORMATION**

CERCLA: Pyrethrins (RQ 1 lb.) are listed as priority pollutants under the Clean Water Act and, as such, fall under the CERCLA spill reporting requirements of 40 CFR 302.

SARA TITLE III, Section 313 Toxic Chemicals: Isopropanol (25.0%).

PROPOSITION 65 (CA): None.

**SECTION 16. OTHER**

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

# MATERIAL SAFETY DATA SHEET

TAKE DOWN GARDEN SPRAY

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Issue Date: 09/04

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

#### TAKE DOWN GARDEN SPRAY

EPA Reg. No. 67702-5-54705

Common Name: Liquid insecticide.

Chemical Description: Emulsifiable plant oils; pyrethrins and canola oil.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured For

Lawn and Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 435-2163

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Pyrethrins	8003-34-7	0.5	N.A.	1

\* N.A. - Not Available.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

White-yellow, opaque liquid with vegetable-like odor. Harmful if swallowed or absorbed through skin. Avoid exposure to caustic agents. Not D.O.T. regulated.

HEALTH: 1      REACTIVITY: 0      FLAMMABILITY: 0      ENVIRONMENT: 1  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

## SECTION 4. FIRST AID

- Eyes:** Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.
- Ingestion:** Call a 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 doctor. Do not give anything by mouth to an unconscious person.
- Inhalation:** Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

Flash Point:	Not applicable.
Test Method:	Not pertinent.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	Water, CO <sub>2</sub> or foams.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

**SECTION 6. SPILLS AND LEAKS**

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Material is slippery when spilled. Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

**SECTION 7. STORAGE AND HANDLING**

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Long-sleeved shirt and long pants; shoes plus socks; and waterproof gloves.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.