



SAFETY DATA SHEET

Issue Date: 17-Apr-2015

Revision Date: 17-Apr-2015

Version:GHS

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **BUG BUSTER II**
EPA Registration Number: 1021-1778-54705

Recommended use of the chemical and restrictions on use:
Recommended Use: Insecticide

Details of the Supplier of the Safety Data Sheet

Distributed by:
Lawn and Garden Products, Inc.
PO Box 35000
Fresno, CA 93745
Phone – (559) 499-2100

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

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Acute toxicity – Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 3
Skin sensitization	Category 1

Label Elements

WARNING



Hazard Statements

- H316 – Causes mild skin irritation
- H332 – Harmful if inhaled
- H302 – Harmful if swallowed
- H317 – May cause an allergic skin reaction
- H400 – Very toxic to aquatic life
- H410 – Very toxic to aquatic life with long lasting effects

Appearance: light yellow

Physical state: Liquid

Odor: Slight – Sweet

Precautionary Statements – Prevention:

- P264 – Wash face, hands and any exposed skin thoroughly after handling
- P270 – Do not eat, drink or smoke when using this product

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray
 P271 – Use only outdoors or in a well-ventilated area
 P272 – Contaminated work clothing should not be allowed out of the workplace
 P280 – Wear protective gloves

Precautionary Statements – Response:

P321 – Specific treatment (see Section 4/First Aid)
 P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
 P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention
 P363 – Wash contaminated clothing before reuse
 P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 – Call a POISON CENTER or doctor/physician if you feel unwell
 P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P330 – Rinse mouth

Precautionary Statements – Storage:

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements – Disposal:

P501 – Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Esfenvalerate	66230-04-4	0.425

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous Values are not product specifications.

4. FIRST AID MEASURES

Aspiration pneumonia hazard: * No information available

Description of first aid measures:

Eye contact: 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 contact: 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: If swallowed, IMMEDIATELY call a poison control center or doctor 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. Never give anything by mouth to an unconscious person.

Self-protection of the

First Responder: Use personal protective equipment as required.

Note to physicians: For skin effects, a highly efficient therapeutic agent for Pyrethrin/Pyrethroid exposure is topical application of oftocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Hydrogen cyanide, carbon monoxide, carbon dioxide (CO₂).

Specific hazards arising from the chemical

No information available

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Health hazards 2 Flammability 1 Instability 0 Physical and Chemical Properties - -

HMIS Health hazards 2 Flammability 1 Physical hazards 0 Personal Protection X

Chronic Hazard Star Legend * = Chronic Health Hazard

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Use personal protective equipment as required, Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines: This product as supplied does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Safety showers
 Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Tight sealing safety goggles. Face protection shield.
Skin and body protection: Wear protective gloves and protective clothing.
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations, Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work areas and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state: Liquid
Appearance: Light yellow
Odor: Slight – Sweet
Odor threshold: No information available
Color (Gardner Scale): 2

<u>Property:</u>	<u>Values:</u>	<u>Comment: * Method</u>
pH	5.5	
Melting point/freezing point:	No information available	
Boiling point/boiling range:	No information available	
Flash point:	> 93.3 °C / > 200.0 °F	Tag Closed Cup
Flame Extension Test:	No information available	
Evaporation rate:	No information available	
Flammability (solid, gas):	No information available	
Upper flammability limit (UEL):	No information available	
Lower flammability limit (LEL):	No information available	
Vapor pressure:	No information available	
Vapor density:	Heavier than air	
Specific Gravity:	No information available	
Partition coefficient; n-Octanol/ Water:	No information available	
Autoignition temperature:	No information available	
Decomposition temperature:	No information available	
Kinematic viscosity:	No information available	
Dynamic viscosity:	14.7 cPs	@ 23.0 °C
Refractive index:	1.3787	@ 25 °C (77 °F)
<u>Other Information:</u>		
Density:	1.024 g/cm ³ @ 20.0 °C	
VOC Content (%):	20	
<u>Miscibility/Solubility:</u>		
Water:	Miscible	
Alcohol:	Miscible	
Petroleum distillates:	Immiscible	
Aromatic solvents:	Immiscible	

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions

Possibility of hazardous reactions

None under normal processing

Hazardous polymerization: Hazardous polymerization does not occur

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents

Hazardous decomposition products

Hydrogen cyanide, carbon monoxide, carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity – Product Information

Oral LD₅₀	>1,500 mg/kg (rat)
Dermal LD₅₀	>2,000 mg/kg (rabbit)
Inhalation LC₅₀	>2.02 mg/L (rat; 4 hours)
Eye contact:	Irritation clearing in 72 hours
Skin contact:	Slight irritation at 72 hours
Skin irritation index:	1.17
Sensitization:	Sensitizer; skin (guinea pig)
Carcinogenicity:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
Reproductive toxicity:	No information available
Developmental toxicity:	No information available
Teratogenicity:	No information available
STOT – single exposure:	No information available
STOT – repeated exposure:	No information available
Chronic toxicity:	Avoid repeated exposure
Neurological effects:	No information available

12. ECOLOGICAL INFORMATION

Excotoxicity:**Persistence and degradability**

No information available

Bioaccumulation

No information available

Other adverse effects: No information available

Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: Insecticides or Fungicides, Liquid
Hazard Class: Non-Hazardous

Other Shipping Information: This material is **not** regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (*i.e.*, less-than 119 Gallons / 450 Liters)

Air (IATA / ICAO)

Proper Shipping Name: Insecticides or Fungicides, Liquid
Hazard Class: Non-Hazardous

Vessel (IMO / IMDG): Not available

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 HAZARD

Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65:

This product does not contain any Proposition 65 chemicals

US EPA Label Information:

EPA Registration Number: 1021-1778-54705

Difference between SDS and EPA (FIFRA) Pesticide Label:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:

Harmful if swallowed

Harmful if absorbed through the skin

Causes moderate eye irritation

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

International:

TSCA Does not comply

DSL/NDSL Does not comply

EINECS/ELINCS Does not comply

ENCS Does not comply

IECSC Does not comply

KECL Does not comply

PICCS Does not comply

AICS Does not comply

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS – Japan Existing and New chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION
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Issue Date:

17-April-2015

Revision Date:

17-Apr-2015 (MGK)

Revision Note:

New SDS – GHS Classification

Disclaimer:

The data contained herein are based on information currently available to Lawn and Garden Products, Inc. and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which Lawn and Garden Products, Inc. assumes legal responsibility.

End of Safety Data Sheet