

SAFETY DATA SHEET

Issue Date: 17-Apr-2015

Revision Date: 17-Apr-2015

Version:GHS

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Product Name: EPA Registration Number:

BUG BUSTER II 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 th | le |
| 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.

| <u>NFPA</u> | Health hazards 2 | Flammability 1 | Instability 0 | Physical and Chemical Properties |
|-------------|------------------|----------------|--------------------|----------------------------------|
| <u>HMIS</u> | 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

Invironmental precautions: Prevent further leakage of 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 containers. 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 googles. Face protection shield. |
| Skin and body protection: | Wear protective gloves and protective clothing. |
| Repiratory 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 Consideration | s: 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: Appearance: Odor: Odor threshold: Color (Gardner Scale): | Liquid Light yellow Slight – Sweet No information available 2 | |
|--|---|-------------------|
| Property: | Values: | Comment: * Method |
| рН | 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/ | No information available | |
| Water: | | |
| 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 ºC (77 ºF) |
| Other Information: | | |
| Density: | 1.024 g/cm³ @ 20.0 ⁰C | |
| VOC Content (%): | 20 | |
| Miscibility/Solubility: | | |
| Water: | Miscible | |
| Alcohol: | Miscible | |
| Petroleum distillates: | Immiscible | |
| Aromatic solvents: | Immiscible | |

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions

Possibility of hazardous 5eactions

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 LD ₅₀ | >1,500 mg/kg (rat) |
|-----------------------------|---|
| Dermal LD ₅₀ | >2,000 mg/kg (rabbit) |
| Inhalation LC ₅₀ | >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.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

| Proper Shipping Name: Hazard Class: | Insecticides or Fungicides, Liquid Non-Hazardous |
|---|--|
| Other Shipping Information: | This material is not regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (<i>i.e.</i> , less-than 119 Gallons / 450 Liters) |
| Air (IATA / ICAO) Proper Shipping Name: Hazard Class: | Insecticides or Fungicides, Liquid Non-Hazardous |
| Vessel (IMO / IMDG): | Not available |

15. REGULATORY INFORMATION

US Federal Regulations

<u>SARA 313</u>

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 Shee4ts (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 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

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