

Issue Date: 13-Dec-2015

Revision Date: 21-Mar-2018

Version: 1.2

**1. PRODUCT AND COMPANY IDENTIFICATION****Product identifier****Product Name:** BUGGSLAYER Insecticide**EPA Registration Number:** 67867-6**Other means of identification** BUGGSLAYER Insecticide Concentrate**Recommended use of the chemical and restrictions on use:****Recommended Use:** Insecticide**Details of the supplier of the safety data sheet****Manufacturer Address:**BUGG Products LLC  
14505 - 21st Ave N STE 214  
Plymouth, MN 55447  
Telephone Number:**FAX #:**

(763) 473-7672

(866) 720-2844

**Emergency telephone numbers:****24 Hour TRANSPORTATION Emergency:** CHEMTREC®: (800) 424-9300**International:** (703) 527-3887**24 Hour MEDICAL Emergency:** SafetyCall®: (888) 740-8712**Comments:**BUGG Products hours of operation are 8:00 am to 4:30 pm Central Time  
For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to  
(888) 740-8712**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 - Inhalation (Dusts/Mists)

Category 4

**Label elements****Emergency Overview****WARNING****Hazard statements**

- H332 - Harmful if inhaled
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

**Appearance:** White**Physical state:** Liquid**Odor:** Slight , Liquid dish-soap odor.**Precautionary Statements - Prevention:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response:**

P321 - Specific treatment (see Section 4/ First Aid).

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

**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):**

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Deltamethrin	52918-63-5	1.00

\*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.

<b>Ingestion:</b>	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.
<b>Inhalation:</b>	Remove affected 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.
<b>Note to physicians:</b>	For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol 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:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

### **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.

<b><u>NFPA</u></b>	<b>Health hazards</b> 3	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Physical and Chemical Properties</b>
<b><u>HMIS</u></b>	<b>Health hazards</b> 2	<b>Flammability</b> 1	<b>Physical hazards</b> 0	<b>Personal protection</b>
				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.

**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. For more information, see product label.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. 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:** Wear safety glasses with side shields (or goggles).

**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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

**Physical state:** Liquid  
**Appearance:** White  
**Odor:** Slight, Liquid dish-soap odor.  
**Odor threshold:** No information available  
**Color (Gardner Scale):** No information available

<u>Property:</u>	<u>Values:</u>	<u>Comment: • Method</u>
pH:	3.78	.
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;

<b>Evaporation rate:</b>	No information available
<b>Flammability (solid, gas):</b>	No information available
<b>Upper flammability limit (UEL):</b>	No information available
<b>Lower flammability limit (LEL):</b>	No information available
<b>Vapor pressure:</b>	No information available
<b>Vapor density:</b>	No information available
<b>Specific Gravity:</b>	No information available
<b>Water solubility:</b>	No information available
<b>Partition coefficient; n-Octanol/ Water:</b>	No information available
<b>Autoignition temperature:</b>	No information available
<b>Decomposition temperature:</b>	No information available
<b>Kinematic viscosity:</b>	No information available
<b>Dynamic viscosity:</b>	863 cPs @ 22.0°C.
<b>Refractive Index:</b>	No information available

**Other Information:**

<b>Bulk Density:</b>	8.27 Lbs./ Gallon @ 22.0°C
<b>VOC Content (%):</b>	1.39%

**Miscibility/ Solubility:**

<b>Water:</b>	Miscible
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**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**

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION****Numerical measures of toxicity - Product Information**

<b>Oral LD<sub>50</sub></b>	>15,000 mg/kg (rat)
<b>Dermal LD<sub>50</sub></b>	>10,000 mg/kg (rabbit)
<b>Inhalation LC<sub>50</sub></b>	>1.02 mg/L (rat; 4 hours)
<b>Eye contact:</b>	Non-irritating to eyes. (rabbit).
<b>Skin Contact:</b>	Non-irritating to the skin. (rabbit).

<b>Sensitization:</b>	Non-sensitizer. (guinea pig).
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity:</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenicity:</b>	No information available.
<b>STOT - single exposure:</b>	No information available.
<b>STOT - repeated exposure:</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

#### 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

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

## 14. TRANSPORT INFORMATION

### DOT (Department of Transportation)

<b>Proper Shipping Name:</b>	Insecticides, Insect or Animal Repellent, Liquid
<b>Hazard Class:</b>	Non-Hazardous
<b>Other Shipping Information:</b>	This material is <b>not</b> regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities ( <i>i.e.</i> , less-than 119 Gallons / 450 Liters).  When shipping in Bulk-quantities ( <i>i.e.</i> , more than 119 Gallons / 450 Liters), please contact BUGG Products LLC for the proper shipping description.
<b>Air (IATA/ ICAO)</b>	
<b>Proper Shipping Name:</b>	Insecticides, Insect or Animal Repellent, Liquid
<b>Hazard Class:</b>	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	No
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.

**U.S. EPA Label Information:**

**EPA Registration Number:** 67867-6

**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 inhaled.
- Contact with product may result in transient tingling and reddening of the skin.

**International:**

<b>TSCA</b>	Does not comply
<b>DSL/NDSL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	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

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

<b>16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION.</b>
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**Issue Date:**

13-Dec-2015

**Revision Date:**

21-Mar-2018

**Revision Note:**

- Updated company logo and phone number.

**SDS Prepared By:**

Brian Weekley

**Disclaimer:**

The data contained herein are based on information currently available to BUGG Products LLC 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 BUGG Products LLC assumes legal responsibility.

**End of Safety Data Sheet.**