1. Product Identification

Product Information: 1000010168
Product Identifier: CLAIRE BUG BUSTER INSECT KILLER- EPA 706-107
Recommended Use: Pesticide
Manufacturer/Importer/Distributor Information: PLZ CORP
2651 WARRENVILLE RD, STE 300
DOWNERS GROVE, IL 60515
US
800-332-9000
Emergency Telephone: 866-836-8855

2. Hazard(s) identification

Classification
Flammable Aerosol, category 1

Label elements
HAZARD PICTOGRAMS

SIGNAL WORD
Danger

GHS HAZARD STATEMENTS
H222 Extremely flammable aerosol.

GHS PRECAUTIONARY STATEMENTS
Prevention
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
Response
None
Storage
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
Disposal
None
Other Information
None
3. Composition/Information on Ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS Number</th>
<th>Content in Percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>2.5-10</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>2.5-10</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>64742-47-8</td>
<td>2.5-10</td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td>51-03-6</td>
<td>2.5-10</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>8003-34-7</td>
<td>0.1-1.0</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits. The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

EYE CONTACT: Rinse immediately with plenty of water.

INHALATION: Move to fresh air.

INGESTION: Rinse mouth.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No data available

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Keep away from sources of ignition - No smoking. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

STORAGE: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

NFPA 30B: Aerosol Level 1
8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TLV-TWA</th>
<th>TLV-STEL</th>
<th>PEL-TWA</th>
<th>PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>N.E.</td>
<td>N.E.</td>
<td>1000 ppm</td>
<td>N.E.</td>
</tr>
<tr>
<td>Butane</td>
<td>N.E.</td>
<td>1000 ppm</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>200 mg/m3</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td>N.E.</td>
<td>N.E.</td>
<td>5 mg/m3</td>
<td>N.E.</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>5 mg/m3</td>
<td>N.E.</td>
<td>5 mg/m3</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

Further Advice: MEL = Maximum Exposure Limit  OES = Occupational Exposure Standard  SUP = Supplier's Recommendation  Sk = Skin Sensitizer  N.E. = Not Established

ENGINEERING CONTROLS: No data available.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:
- Physical State: Liquid
- Form: Spray Aerosol
- Color: White
- Odor: cherry
- Odor Threshold: No data available
- pH: No data available
- Freeze Point, °C: No data available
- Boiling Point, °C: 174
- Flash Point, °C: -104
- Flammability (solid, gas): No data available
- Evaporation Rate: No data available
- Combustibility: Supports Combustion
- Explosive Limits, %: 0.5 - 9.5
- Vapor Pressure @20°C, PSI: 75-95 PSI
- Vapor Density: No data available
- Relative Density: 0.894
- Solubility in Water: No data available
- Partition Coefficient, n-octanol/water: No data available
- Auto-Ignition Temperature, °C: No data available
- Decomposition temperature, °C: No data available
- Kinematic Viscosity: No data available
10. Stability and Reactivity

**REACTIVITY:** No data available.

**STABILITY:** Material is stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No data available.

**CONDITIONS TO AVOID:** Avoid heat or contamination

**INCOMPATIBILITY:** No data available

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available.

11. Toxicological Information

**Information on Likely Routes of Exposure**

**IMPORTANT SYMPTOMS:** No data available

**SKIN CONTACT EFFECTS:** May cause irritation on prolonged or repeated contact.

**EYE CONTACT EFFECTS:** May cause slight irritation with tearing.

**INHALATION EFFECTS:** Inhalation of high concentrations of mists may cause irritation of the nose, throat and upper respiratory tract.

**INGESTION EFFECTS:** Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

**CHRONIC HAZARDS:** No data available

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

**ATE ORAL**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50 (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>5,000</td>
</tr>
<tr>
<td>Butane</td>
<td>N.I.</td>
</tr>
<tr>
<td>Distillates</td>
<td>N.I.</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>5,000</td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td>5,630</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>500 - 1,000</td>
</tr>
</tbody>
</table>

**ATE DERMAL**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Dermal LD50 (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>5,000</td>
</tr>
<tr>
<td>Butane</td>
<td>N.I.</td>
</tr>
<tr>
<td>Distillates</td>
<td>N.I.</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>2,000</td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td>2,000</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>1,100</td>
</tr>
</tbody>
</table>

**ATE INHALATION**

Not classified for acute toxicity based on available data.

The acute effects of this product have not been tested.

**Acute Toxicity Values**

**Data on individual components are tabulated below**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50 (mg/kg)</th>
<th>Dermal LD50 (mg/kg)</th>
<th>Vapor LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-98-6</td>
<td>Propane</td>
<td>5,000</td>
<td>5,000</td>
<td>100</td>
</tr>
<tr>
<td>106-97-8</td>
<td>Butane</td>
<td>N.I.</td>
<td>N.I.</td>
<td>658</td>
</tr>
<tr>
<td>64742-47-8</td>
<td>Distillates</td>
<td>5,000</td>
<td>2,000</td>
<td>&gt;100</td>
</tr>
<tr>
<td>51-03-6</td>
<td>Piperonyl Butoxide</td>
<td>5,630</td>
<td>2,000</td>
<td>100</td>
</tr>
<tr>
<td>8003-34-7</td>
<td>Pyrethrins</td>
<td>500 - 1,000</td>
<td>1,100</td>
<td>11</td>
</tr>
</tbody>
</table>

N.I. = No Information

**Skin Corrosion & Irritation:**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available</th>
</tr>
</thead>
</table>

**Serious Eye Damage & Irritation:**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available</th>
</tr>
</thead>
</table>

**Respiratory or Skin Sensitization:**

<table>
<thead>
<tr>
<th>Product</th>
<th>No data available</th>
</tr>
</thead>
</table>
STOT-Single Exposure:  
Product: No data available  
STOT-Repeated Exposure:  
Product: No data available  
Aspiration Hazard:  
Product: No data available  
Carcinogenicity:  
Product: No data available  
Reproductive Toxicity:  
Product: No data available  
Germ Cell Mutagenicity:  
Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available  
PERSISTENCE: No data available  
BIOACCUMULATE: No data available  
MOBILITY IN SOIL: No data available  
OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.  
CONTAMINATED PACKAGING: Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available  
DOT  
UN Number: UN1950  
Proper Shipping Name: AEROSOLS, FLAMMABLE  
Technical Name: N/A  
Hazard Class(es)  
Class: 2.1  
Subsidiary Risk: N/A  
Packing Group: N/A  

IATA  
UN Number: UN1950  
Proper Shipping Name: AEROSOLS, FLAMMABLE  
Technical Name: N/A  
Hazard Class(es)  
Class: 2.1  
Subsidiary Risk: N/A  
Packing Group: N/A
IMDG

UN Number: UN1950
Proper Shipping Name: AEROSOLS, FLAMMABLE
Technical Name: N/A
Hazard Class(es)
Class: 2.1
Subsidiary Risk: N/A
Packing Group: N/A

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode’s regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper’s discretion.

15. Regulatory Information

CHEMICAL INVENTORY STATUS:

TSCA On or in compliance with the inventory
DSL On or in compliance with the inventory

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:

No Proposition 65 chemicals present or warning required.

Further Information: FIFRA: 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.

16. Other Information

Revision Date: 8/9/2022
Datasheet produced by: Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.