Section 1. Chemical Product and Company Identification

Product name: Enforcer Mosquito & Flying Insect Killer II

Product code: PFI / L835

Date of issue: 03/10/10

Supersedes: 05/27/03

This product is a registered pesticide. EPA ID No. 28293-271-40849

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 404-352-1680

For Medical Emergency:
(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency:
CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By:
Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

*Hazard Determination System (HDS): Health, Flammability, Reactivity

MAY BE HARMFUL IF SWALLOWED.

MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Dermal contact. Eye contact.

Eyes

Direct contact may cause irritation and redness.

Skin

May cause skin irritation. May be harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation

Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.

Ingestion

May be harmful if swallowed. Can cause gastrointestinal disturbances.

Chronic effects

No known chronic effects from exposure.

Carcinogenicity

No known significant effects or critical hazards.

Product/ingredient name

Not available.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERMETHRIN; (3-phenoxyphenyl) methyl-cis, trans-3-(2,2-dichloroethenyl)-2,2 dimethyloctahydroisoquinoline</td>
<td>52645-53-1</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Inhalation

Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.
**Section 5. Fire Fighting Measures**

**Flash Point**  
None.

**Flammable Limits**  
Not applicable

**Flammability**  
Not applicable

**Fire Hazard**  
In a fire or if heated, a pressure increase will occur and the container may burst.

**Fire-Fighting Procedures**  
Use an extinguishing agent suitable for the surrounding fire.

**Section 6. Accidental Release Measures**

**Spill Clean up**  
Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

**Section 7. Handling and Storage**

**Handling**  
Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Do not ingest. Do not reuse container. Wash thoroughly after handling. Apply this product only as specified on the label.

**Storage**  
Keep container tightly closed and sealed until ready for use. Keep in a cool, well-ventilated place. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection**

**Product Name**  
Exposure limits

**Personal Protective Equipment (PPE)**

**Eyes**  
Safety glasses.

**Body**  
Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves.

**Respiratory**  
No respiratory protection needed under normal use conditions.

**Section 9. Physical and Chemical Properties**

**Physical State**  
Liquid.

**pH**  
7.0 - 8.0

**Boiling Point**  
Not determined.

**Specific Gravity**  
1.008

**Solubility**  
Insoluble in the following materials: cold water.

**Color**  
Off-white. [Light]

**Odor**  
Mild. [Slight]

**Vapor Pressure**  
Not determined.

**Vapor Density**  
Not determined.

**Evaporation Rate**  
Not determined.

**VOC (Consumer)**  
0 g/l

**Section 10. Stability and Reactivity**

**Stability and Reactivity**  
The product is stable.

**Incompatibility**  
Slightly reactive or incompatible with the following materials: acids and alkalis.

**Hazardous Polymerization**  
Will not occur.

**Hazardous Decomposition Products**  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 Dermal</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate</td>
<td>Rabbit</td>
<td>&gt;2 g/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>1750 mg/kg</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>383 mg/kg</td>
</tr>
</tbody>
</table>
### Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate</td>
<td>Acute EC50</td>
<td>0.6 ppb</td>
<td>Daphnia - Water flea - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50</td>
<td>0.112 ppb</td>
<td>Daphnia - Water flea - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute IC50</td>
<td>1.09 ug/L</td>
<td>Daphnia - Water flea - Daphnia magna - Instar</td>
<td>4 to 5 days</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>1.5 ppb</td>
<td>Fish - Atlantic salmon - Salmo salar</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>0.79 ppb</td>
<td>Fish - Bluegill - Lepomis macrochirus</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>0.548 ppb</td>
<td>Crustaceans - Daggerblade grass shrimp - Palaemonetes pugio</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>3 ug/L</td>
<td>Crustaceans - Crayfish - Orconectes sp.</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>1.58 ug/L</td>
<td>Fish - Lahontan cutthroat trout - Oncorynchus clarki henshawi</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>1.25 ug/L</td>
<td>Daphnia - Water flea - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>1.1 ug/L</td>
<td>Fish - Channel catfish - Ictalurus punctatus</td>
<td>14 to 17 mm - 0.02 g</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>0.62 ug/L</td>
<td>Fish - Rainbow trout,donaldson trout - Oncorynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>0.6 ug/L</td>
<td>Daphnia - Water flea - Ceriodaphnia dubia</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>0.54 ug/L</td>
<td>Daphnia - Water flea - Daphnia magna - Instar</td>
<td>4 to 5 days</td>
</tr>
<tr>
<td></td>
<td>Acute LC50</td>
<td>0.2 to 0.6 ug/L</td>
<td>Daphnia - Water flea - Daphnia magna</td>
<td>48 hours</td>
</tr>
</tbody>
</table>

### Section 12. Ecological Information

Toxic to bees. Do not use product when weather conditions are likely to produce drift from areas treated. Toxic to aquatic organisms. Keep out of waterways.

### Section 13. Disposal Considerations

**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream**  Classification: - [Non-hazardous waste]

### Section 14. Transport Information

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated.</td>
<td>Not a DOT controlled material (United States).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDG Classification</td>
<td>Not regulated.</td>
<td>Not a TDG-controlled material.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG*: Packing group
Section 15. Regulatory Information

U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting:

Product name

Permethrin

Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

United States inventory (TSCA 8b): Not determined.

State Regulations

California Prop 65

No products were found.

Canada

WHMIS (Canada)

Class D-1B: Material causing immediate and serious toxic effects (Toxic).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.