Issue Date: 04-Dec-2012  Revision Date: 15-Jul-2015

Product Identifier
Product Name  OUTBREAK DEFENDER

Other means of identification
SDS #  OBD-15

Recommended use of the chemical and restrictions on use
Recommended Use  Biobased Flying and crawling insect spray.
Uses Advised Against  For industrial and institutional use only.

Details of the supplier of the safety data sheet
Supplier Address
Pure Drain Defender, LLC.
7631 E. Greenway Road, Suite B1
Scottsdale, AZ 85260
support@puredraindefender.com

Emergency Telephone Number
Company Phone Number  480-535-6644
Emergency Telephone (24 hr)  800-535-5053

Appearance  Milky white liquid  Physical State  Liquid  Odor  Light peppermint scent

Classification
Flammable Liquids  Category 4

Signal Word
Warning

Hazard Statements
Combustible liquid.

Precautionary Statements - Prevention
Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.
Unknown Acute Toxicity
0.25% of the mixture consists of ingredient(s) of unknown toxicity.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Oil</td>
<td>Proprietary</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

First Aid Measures

**Eye Contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.

**Skin Contact**
Wash with soap and water. If skin irritation persists, call a physician.

**Inhalation**
Remove to fresh air. Get medical attention if discomfort persists.

**Ingestion**
Give several glasses of water. Do not induce vomiting. If any discomfort persists, obtain medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

**Symptoms**
May cause skin and eye irritation. May irritate the digestive tract.

Indication of any immediate medical attention and special treatment needed

**Notes to Physician**
Treat symptomatically.

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
Combustion products may be toxic.

**Hazardous Combustion Products**
Carbon oxides.

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. Use water spray to keep fire-exposed containers cool.

Personal precautions, protective equipment and emergency procedures

**Personal Precautions**
Use personal protective equipment as required. Remove all sources of ignition.

**Methods and material for containment and cleaning up**

**Methods for Containment**
Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up

Contain and collect with an inert absorbent and place into an appropriate container for disposal. Wash area with soap and water.

Precautions for safe handling

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Ensure that all containers are labeled in accordance with OSHA regulations. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Materials
Strong oxidizing agents.

Exposure Guidelines

No exposure limits noted for ingredient(s).

Appropriate engineering controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/ Face Protection
Avoid contact with eyes.

Skin and Body Protection
No protective equipment is needed under normal use conditions.

Respiratory Protection
Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Milky white liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Milky white</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Light peppermint scent</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Values</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>7-8</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>79.5 °C / 175 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01</td>
<td>(Water = 1)</td>
</tr>
</tbody>
</table>
Water Solubility: Soluble in water
Solubility in other solvents: Not determined
Partition Coefficient: Not determined
Auto-ignition Temperature: Not determined
Decomposition Temperature: Not determined
Kinematic Viscosity: Not determined
Dynamic Viscosity: Not determined
Explosive Properties: Not determined
Oxidizing Properties: Not determined
VOC Content: None

**Reactivity**
Not reactive under normal conditions.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing. Hazardous polymerization does not occur.

**Conditions to Avoid**
Keep out of reach of children.

**Incompatible Materials**
Strong oxidizing agents.

**Hazardous Decomposition Products**
Carbon oxides.

**Information on likely routes of exposure**

**Product Information**

Eye Contact: Avoid contact with eyes.
Skin Contact: Avoid contact with skin.
Inhalation: No known effect.
Ingestion: Do not taste or swallow.

**Component Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Oil</td>
<td>= 2426 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>= 25 g/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Information on physical, chemical and toxicological effects**

Symptoms: Please see section 4 of this SDS for symptoms.
Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity**
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**
Not determined

**Unknown Acute Toxicity**
0.25% of the mixture consists of ingredient(s) of unknown toxicity.

**Ecotoxicity**
Not determined

**Persistence/Degradability**
Not determined

**Bioaccumulation**
Not determined

**Mobility**
Not determined

**Other Adverse Effects**
Not determined

**Waste Treatment Methods**

**Disposal of Wastes**
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**DOT**
Not regulated.

**IATA**
Not regulated.

**IMDG**
Not regulated.

**International Inventories**

**TSCA**
Not Listed.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**US Federal Regulations**
SARA 311/312 Hazard Categories  
Not determined  

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.  

US State Regulations  

California Proposition 65  
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.  

U.S. State Right-to-Know Regulations  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td></td>
<td></td>
<td>X</td>
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</tbody>
</table>

EPA Statement  
This product is exempt from registration under FIFRA section 25(b).  

NFPA  

<table>
<thead>
<tr>
<th></th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personal Protection</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

Issue Date: 04-Dec-2012  
Revision Date: 03-Apr-2015  
Revision Note: New format  

Disclaimer  
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.  

End of Safety Data Sheet