Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name
- Farnam® SimpliFly® Feed-Thru Fly Control; Farnam® Equitrol® II Feed-Thru Fly Control

Synonyms
- EPA Reg. No. 270-382
- 100515881 SimpliFly-3.75LB; 100515883 SimpliFly-10LB; 100515884 SimpliFly-20LB; 100515885 SimpliFly-50LB 100515886 Equitrol II-3.75LB; 100515887 Equitrol II-10LB; 100515888 Equitrol II-20LB

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)
- Pesticide Feed-Thru Fly Control

Use(s) advised against
- Do not use on horses intended for slaughter.

1.3 Details of the supplier of the safety data sheet

Manufacturer
- Farnam Companies, Inc.
  P.O. Box 34820
  Phoenix, AZ 85067-4820
  United States
  www.farnam.com

Supplier
- Central Garden and Pet
  1501 E. Woodfield Road, Suite 200W
  Schaumburg, IL 60173
  United States
  www.central.com

1.4 Emergency telephone number

Manufacturer
- 1-800-424-9300 - CHEMTREC

Manufacturer
- 1-888-914-2082

Section 2: Hazards Identification

United States (US)
According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture
OSHA HCS 2012  •  Combustible Dust

2.2 Label elements

OSHA HCS 2012

WARNING

Hazard statements  •  May form combustible dust concentrations in air.

2.3 Other hazards


Section 3 - Composition/Information on Ingredients

3.1 Substances

•  Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>CAS:35367-38-5 EINECS:252-529-3</td>
<td>0.24%</td>
<td>OSHA HCS 2012: Acute Tox. Cat. 4 (dermal)</td>
<td>Active Ingredient</td>
</tr>
<tr>
<td>Proprietary</td>
<td>Proprietary</td>
<td>&lt; 92%</td>
<td>OSHA HCS 2012: Combust. dust</td>
<td>Inert</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation  •  Move victim to fresh air. Give artificial respiration if victim is not breathing. Call a physician if symptoms occur.

Skin  •  Wash the contaminated area of body with soap and fresh water. If irritation develops and persists, get medical attention.

Eye  •  Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention if symptoms occur.

Ingestion  •  Call a physician or poison control center. Drink two glasses of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

•  Excessive overexposure to active ingredient may cause shortness of breath, cyanosis, mental status changes, headache, fatigue, exercise intolerance, dizziness and loss of consciousness. Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed
Antidotes: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- Water, CO2 or dry chemical.

Unsuitable Extinguishing Media
- None known.

Firefighting Procedures
- Stay upwind. Keep unauthorized personnel away. Move containers from fire area if you can do it without risk. Dike far ahead of spill to collect runoff water. Remove contaminated clothing and wash clothing before reuse. Flush the contaminated area of body with large amounts of water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products
- None known.

5.3 Advice for firefighters
- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Stay upwind. Wear personal protective equipment/face protection.

Emergency Procedures
- Stop leak if you can do it without risk. Ventilate closed spaces before entering.

6.2 Environmental precautions
- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Carefully shovel or sweep up spilled material and place in suitable container. This material and its container must be disposed of in a safe way.

6.4 Reference to other sections
- No data available

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling
- Avoid contact with skin and eyes. Do not breathe (dust, vapor or spray mist) Do not take internally. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities
Storage

- Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and pets.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

8.2 Exposure controls

Engineering Measures/Controls

- Local exhaust ventilation. Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment

Pictograms

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/face

- Wear dust goggles.

Skin/Body

- None specified.

Environmental Exposure Controls

- Refer to Section 13 - Disposal Considerations.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Solid</th>
<th>Appearance/Description</th>
<th>Green Pellets.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Green</td>
<td>Odor</td>
<td>Alfalfa odor.</td>
</tr>
<tr>
<td>Taste</td>
<td>No data available</td>
<td>Physical and Chemical Properties</td>
<td>Pellets</td>
</tr>
</tbody>
</table>

General Properties

- Melting Point: No data available
- Decomposition Temperature: No data available
- Heat of Decomposition: No data available
- Specific Gravity/Relative Density: No data available
- Density: No data available
- Bulk Density: 39 to 45 lb(s)/ft³
- Water Solubility: No data available
- Solvent Solubility: No data available
- Viscosity: No data available
- Explosive Properties: No data available
- Oxidizing Properties: No data available

Environmental

- Half-Life: 2 Day(s)
- Octanol/Water Partition coefficient: No data available
- Bioconcentration Factor: > 100
- No data available

9.2 Other Information

- No data available
Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- No data available

10.4 Conditions to avoid

- Keep away from fire. Keep from direct sunlight.

10.5 Incompatible materials

- None known.

10.6 Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Dosage</th>
<th>Route</th>
<th>Species</th>
<th>Duration</th>
<th>Results</th>
<th>Test Class</th>
<th>Target Organs</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Skin</td>
<td>Guinea Pig</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>Not a skin sensitizer-Diflubenzuron</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>&gt; 5000 mg/kg</td>
<td>Ingestion/Oral</td>
<td>Rat</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>Diflubenzuron</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>&gt; 2000 mg/kg</td>
<td>Skin</td>
<td>Rabbit</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>Diflubenzuron</td>
</tr>
<tr>
<td>Irritation</td>
<td>Eye</td>
<td>Rabbit</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>Mild irritation</td>
<td>NDA</td>
<td>Diflubenzuron</td>
</tr>
<tr>
<td>Irritation</td>
<td>Skin</td>
<td>Rabbit</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>Essentially non-irritating</td>
<td>NDA</td>
<td>Diflubenzuron</td>
</tr>
</tbody>
</table>

GHS Properties

| Acute toxicity       | OSHA HCS 2012•Classification criteria not met |
| Aspiration Hazard    | OSHA HCS 2012•Classification criteria not met |
| Carcinogenicity      | OSHA HCS 2012•Classification criteria not met |
| Germ Cell Mutagenicity | OSHA HCS 2012•Classification criteria not met |
| Skin corrosion/Irritation | OSHA HCS 2012•Classification criteria not met |
| Skin sensitization   | OSHA HCS 2012•Classification criteria not met |
| STOT-RE              | OSHA HCS 2012•Classification criteria not met |
| STOT-SE              | OSHA HCS 2012•Classification criteria not met |
| Toxicity for Reproduction | OSHA HCS 2012•Classification criteria not met |
| Respiratory sensitization | OSHA HCS 2012•Classification criteria not met |
| Serious eye damage/Irritation | OSHA HCS 2012•Classification criteria not met |
Route(s) of entry/exposure
- Ingestion, Inhalation, Eyes and Skin.

Medical Conditions Aggravated by Exposure
- Pre-existing allergies.

Potential Health Effects

Inhalation
Acute (Immediate)
- Exposure to dust may cause irritation.

Chronic (Delayed)
- Repeated and prolonged exposure may cause flu-like symptoms: weakness, anorexia, and malaise.

Skin
Acute (Immediate)
- May cause irritation.

Chronic (Delayed)
- No data available.

Eye
Acute (Immediate)
- May cause irritation.

Chronic (Delayed)
- No data available.

Ingestion
Acute (Immediate)
- May be harmful.

Chronic (Delayed)
- Repeated and prolonged exposure may cause flu-like symptoms: weakness, anorexia, and malaise.

Other
Chronic (Delayed)
- Repeated and prolonged exposure to active ingredient may cause methemoglobinemia.

Mutagenic Effects
- Negative

Carcinogenic Effects
- The active ingredient(s) is not listed as a carcinogen by OSHA, IARC, or NTP.

Reproductive Effects
- Negative

Section 12 - Ecological Information

12.1 Toxicity
- No data available

12.2 Persistence and degradability
- No data available

12.3 Bioaccumulative potential
- No data available

12.4 Mobility in Soil
- No data available

12.5 Results of PBT and vPvB assessment
- Negative

12.6 Other adverse effects
Potential Environmental Effects
- This pesticide is toxic to fish.
12.7 Other Information

- No data available.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

- **Product waste**: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- **Packaging waste**: Send to a licensed recycler, replacer or incinerator. Do not reuse empty cartridge [vial][tube]. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT 3077</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (diflubenzuron)</td>
<td>9</td>
<td>III</td>
<td>Marine Pollutant</td>
</tr>
<tr>
<td>IMO/IMDG 3077</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (diflubenzuron)</td>
<td>9</td>
<td>III</td>
<td>Marine Pollutant</td>
</tr>
<tr>
<td>IATA/ICAO 3077</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (diflubenzuron)</td>
<td>9,Marine</td>
<td>III</td>
<td>Acute Aquatic Toxicity</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user

- This pesticide is toxic to fish.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- **SARA Hazard Classifications**: Not classified

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>35367-38-5</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Proprietary</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>35367-38-5</td>
<td>Yes</td>
</tr>
<tr>
<td>Proprietary</td>
<td>NDA</td>
<td>No</td>
</tr>
</tbody>
</table>

Preparation Date: 25/July/2013

Format: GHS Language: English (US)
OSHA HCS 2012
United States
Environment
U.S. - CERCLA/SARA - Section 313 - Emission Reporting
• Diflubenzuron 35367-38-5 1.0 % de minimis concentration

United States - California
Environment
U.S. - California - Proposition 65 - Carcinogens List
• Diflubenzuron 35367-38-5 Not Listed
U.S. - California - Proposition 65 - Developmental Toxicity
• Diflubenzuron 35367-38-5 Not Listed
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
• Diflubenzuron 35367-38-5 Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
• Diflubenzuron 35367-38-5 Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female
• Diflubenzuron 35367-38-5 Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male
• Diflubenzuron 35367-38-5 Not Listed

United States - Pennsylvania
Labor
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
• Diflubenzuron 35367-38-5 Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
• Diflubenzuron 35367-38-5 Not Listed

15.2 Chemical Safety Assessment
• No data available

Section 16 - Other Information

Last Revision Date • 07/July/2010
Preparation Date • 25/July/2013
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