

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

##### Product Name

- **ClariFly Larvicide Livestock Premix 0.67%**

##### Synonyms

- EPA Reg. No.: 89459-2; RMI-2011-C

##### Product Description

- Light brown to dark brown granules, flakes or other.

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

##### Recommended use

- Prevents the development of flies.

##### Restrictions on use

- Keep out of the reach of children. Avoid contact with eyes, skin or clothing. Avoid breathing dust. Keep away from heat, sparks and flames.

#### Details of the supplier of the safety data sheet

##### Manufacturer

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

#### Emergency telephone number

##### Manufacturer

- 1-800-347-8272

**Manufacturer (Transportation)** • 1-800-424-9300 - CHEMTREC

**Manufacturer (Transportation)** • 1-703-527-3887 - CHEMTREC - Outside US Collect Calls Accepted

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

##### OSHA HCS 2012

- Combustible Dust

#### Label elements

##### OSHA HCS 2012

#### WARNING

**Hazard statements** • May form combustible dust concentrations in air.

#### Other hazards

##### OSHA HCS 2012

- This pesticide is toxic to aquatic invertebrates.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition		
Chemical Name	Identifiers	%
Diflubenzuron	CAS:35367-38-5	0.67%
Animal Feed Ingredients - variable	NDA	99.33%

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.

#### Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

- IF SWALLOWED: call a poison center or doctor if you feel unwell. Rinse mouth.

### Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- Treat symptomatically and supportively.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** • Use water, foam, carbon dioxide, or dry chemical.

**Unsuitable Extinguishing Media** • Avoid heavy hose streams.

**Firefighting Procedures**

- Do not allow fire fighting water to escape into waterways or sewers. Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Eliminate ignition sources. Move containers from fire area if you can do it without risk. Stay upwind. LARGE FIRES: Dike fire control water for later disposal; do not scatter the material.

### 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**
- Oxides of carbon and nitrogen.
- Advice for firefighters**
- Do not allow run-off to enter waterways.  
Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid dust formation and breathing dust.
- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Contain spill and monitor for excessive dust accumulation. Turn off electric power to area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### Environmental precautions

- Avoid run off to waterways and sewers.

### Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Avoid generating dust.  
Use appropriate Personal Protective Equipment (PPE)  
Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Sweep or scoop up spills, dispose of any unusable material in approved landfill. Non-sparking tools should be used.

## Section 7 - Handling and Storage

### Precautions for safe handling

- Handling**
- Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources. Keep out of reach of children.
- Incompatible Materials or Ignition Sources**
- Strong acids, oxidizing agents and caustics.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

- Exposure Limits/Guidelines**
- No data available.

### Exposure controls

**Engineering Measures/Controls**

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

**Personal Protective Equipment****Pictograms****Respiratory**

- If airborne dust is present, use appropriate respiratory protection.

**Eye/Face**

- If prolonged exposure is anticipated, it is recommended for handlers to wear goggles.

**Hands**

- Wear appropriate gloves.

**Skin/Body**

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

**Environmental Exposure Controls**

- Refer to Section 13 - Disposal Considerations.

**Section 9 - Physical and Chemical Properties****Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Solid	Appearance/Description	Light brown to dark brown granules, flakes or other.
Color	Light brown to dark brown.	Odor	Varies
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	1.97 g/cc (varies)	Bulk Density	No data available
Water Solubility	No data available	Viscosity	Not relevant
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

**Section 10: Stability and Reactivity****Reactivity**

- This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

**Chemical stability**

- Stable under normal temperatures and pressures.

## Possibility of hazardous reactions

- Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

## Conditions to avoid

- Heat, sparks, open flame. Avoid storage with or near toxic substances.

## Incompatible materials

- Strong acids, oxidizing agents and caustics.

## Hazardous decomposition products

- No data available.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components		
Diflubenzuron (0.67%)	35367-38-5	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >4.64 g/kg; Inhalation-Rat LC50 • >2.49 g/m <sup>3</sup> ; Skin-Rabbit LD50 • 2 g/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	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 • Not classified - data lacking.
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

### Skin

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

### Eye

- Acute (Immediate)** • May cause eye irritation.

- Chronic (Delayed)**
  - No data available.
- Ingestion**
  - Acute (Immediate)**
    - Under normal conditions of use, no health effects are expected.
  - Chronic (Delayed)**
    - No data available.
- Other**
  - Chronic (Delayed)**
    - No data available.

## Section 12 - Ecological Information

### Toxicity

Components		
Diflubenzuron (0.67%)	35367-38-5	<b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Rainbow Trout</i> 140 mg/L [Acute] 96 Hour(s) LC50 <i>Blue gill</i> 135 mg/L [Acute] NOEC <i>Fathead minnow</i> 0.1 mg/L [Chronic] <b>Aquatic Toxicity-Crustacea:</b> NOEC <i>Mysid shrimp</i> 0.000045 mg/L [Chronic] 96 Hour(s) LC50 <i>Mysid shrimp</i> 0.002 mg/L [Acute] 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0037 mg/L [Acute] NOEC Water Flea <i>Daphnia magna</i> 0.00004 mg/L [Chronic]

### Persistence and degradability

- No data available.

### Bioaccumulative potential

- No data available.

### Mobility in Soil

- No data available.

### Other adverse effects

- Potential Environmental Effects**
- This pesticide is toxic to aquatic invertebrates.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product waste

- Do not contaminate water when disposing of equipment washwaters. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Nonrefillable container. Do not reuse or refill container. See product label for container disposal instructions.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	UN3077	Bulk packaging only: Environmentally Hazardous Substance, Solid, N.O.S. (Diflubenzuron)	9	III	Marine Pollutant

<b>IMO/IMDG</b>	UN3077	Inner packaging 5 kg. or greater: Environmentally Hazardous Substance, Solid, N.O.S. (Diflubenzuron)	9	III	Marine Pollutant
<b>IATA/ICAO</b>	UN3077	Inner packaging 5 kg. or greater: Environmentally Hazardous Substance, Solid, N.O.S. (Diflubenzuron)	9	III	Acute Aquatic Toxicity

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

**Other information**

**IMO/IMDG** • No data available

**IATA/ICAO** • No data available

## Section 15 - Regulatory Information

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

**SARA Hazard Classifications** • SARA Title III Section 313

**FIFRA – Pesticide Labeling**

This material 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 hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

### CAUTION

**Precautionary Statements** • KEEP OUT OF THE REACH OF CHILDREN.

**Hazards to Humans and Domestic Animals**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS** Causes moderate eye irritation. Wear protective eyewear. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

**First Aid** •

**IF IN EYES** 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 further treatment advice.

Inventory		
Component	CAS	TSCA
Diflubenzuron	35367-38-5	Yes

## United States

### Environment

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Diflubenzuron

35367-38-5

1.0 % de minimis concentration

## Section 16 - Other Information

- Revision Date** • 06/May/2016
- Last Revision Date** • 06/November/2014
- Preparation Date** • 05/November/2014
- Disclaimer/Statement of Liability** • The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.