



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **ClariFly Larvicide 267**

Synonyms

- 100523823; EPA Reg. No.: 89459-82; RF2233 267 DFB Granules

Product Description

- White free-flowing granular solid.

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 skin, eyes, or clothing.

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

- Eye Mild Irritation 2B
Specific Target Organ Toxicity Repeated Exposure 2

Label elements

OSHA HCS 2012

WARNING



- Hazard statements**
- Eye Mild Irritation 2B
May cause damage to organs through prolonged or repeated exposure - blood.

Precautionary statements

Prevention • Wash thoroughly after handling.
Do not breathe dust, fume, gas, mist, vapors and/or spray.

Response • 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.
Get medical advice/attention if you feel unwell.

Storage/Disposal • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Avoid release to the environment.

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

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	2.67%
Sodium chloride	CAS:7647-14-5	96.66%
Other ingredients	NDA	Balance

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 skin with soap and water. Call poison control center or doctor for treatment advice.

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 CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed by medical personnel.

Most important symptoms and effects, both acute and delayed

- Repeated and prolonged exposure may cause methemoglobinemia. Causes mild eye irritation. 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.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Material is non-combustible and is not expected to pose a fire or explosion hazard.

- Hazardous Combustion Products**
- May evolve chlorine gas when in contact with strong acids.

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.

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).
Sweep up material and place in suitable container for disposal.

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 cool, dry area, inaccessible to children. Store away from strong acids. Avoid humid or wet conditions. Becomes corrosive to metals when wet.

Incompatible Materials or Ignition Sources

- Strong acids.

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**

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Respiratory

- If airborne dust is present or in case of inadequate ventilation, use appropriate NIOSH approved respiratory protection.

Eye/Face

- Wear safety glasses.

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

- Avoid release to the environment.

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

Material Description			
Physical Form	Solid	Appearance/Description	White free-flowing granular solid.
Color	White	Odor	Neutral, slight soap, chalk-like.
Particulate Size	200 to 600 µm	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Density	No data available
Bulk Density	1.2 g/cc (74.9 lb/ft ³)	Water Solubility	Soluble
Viscosity	Not relevant		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available

LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Humid and wet conditions. Becomes corrosive to metals when wet.

Incompatible materials

- Strong acids.

Hazardous decomposition products

- No data available.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Diflubenzuron (2.67%)	35367-38-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • >4.64 g/kg; Inhalation-Rat LC50 • >2.49 g/m ³ ; Skin-Rabbit LD50 • 2 g/kg
Sodium chloride (96.66%)	7647-14-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3000 mg/kg; Inhalation-Rat LC50 • >42 mg/L 1 Hour(s); Skin-Rabbit LD50 • >10000 mg/kg; Irritation: Eye-Rabbit • Moderate irritation; Skin-Rabbit • Mild irritation

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 • Eye Mild Irritation 2B
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 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects**Inhalation**

- Acute (Immediate)** • Exposure to dust may cause irritation.
- Chronic (Delayed)** • Repeated and prolonged exposure may cause methemoglobinemia.

Skin

- Acute (Immediate)** • Exposure may cause mechanical irritation. Irritating to damaged skin.
- Chronic (Delayed)** • Repeated and prolonged exposure may cause methemoglobinemia.

Eye

- Acute (Immediate)** • May cause moderate irritation.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • Harmful if swallowed.
- Chronic (Delayed)** • Repeated and prolonged exposure to active ingredient may cause methemoglobinemia.

Mutagenic Effects

- Diflubenzuron is not a mutagen.

Carcinogenic Effects

- Diflubenzuron is not classified as a carcinogen by NTP, IARC and OSHA.

Reproductive Effects

- Diflubenzuron is not a reproductive toxicant.

Section 12 - Ecological Information**Toxicity**

Components		
Diflubenzuron (2.67%)	35367-38-5	Aquatic Toxicity-Fish: 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] Aquatic Toxicity-Crustacea: 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**

- 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.

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
IMO/IMDG	UN3077	Inner packaging 5 kg. or greater: Environmentally Hazardous Substance, Solid, N.O.S. (Diflubenzuron)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Inner packaging only: 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
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Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Chronic, Acute, SARA Title III Section 313

FIFRA – Pesticide Labeling

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 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

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. 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 treatment advice.

Environmental Hazards

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

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
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Section 16 - Other Information

Revision Date	• 25/March/2016
Last Revision Date	• 25/March/2016
Preparation Date	• 25/March/2016
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.