

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- **ClariFly Larvicide Manufacturing Use Product 8%**

Synonyms

- 100513287; EPA Reg. No.: 270-378-89459; RMI-2011-A

Product Description

- Fine granular white to off-white 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** • Get medical advice/attention if you feel unwell.
If eye irritation persists: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 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**

- 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	8%
Sodium chloride	CAS:7647-14-5	90.39%
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: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a 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: Do not induce vomiting unless told to by a poison control center or doctor. Rinse mouth.

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 • Oxides of carbon and nitrogen, hydrochloric acid, disodium oxide, irritating fumes. 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



Respiratory

• If airborne dust is present or in case of inadequate ventilation, use appropriate NIOSH approved 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

• Avoid release to the environment.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Fine, white to off-white granular solid.
Color	white to off-white.	Odor	Moderate chalk-like.
Particulate Size	< 300 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	1.268 g/cm 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

- Oxides of carbon and nitrogen, hydrochloric acid, disodium oxide, irritating fumes.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Sodium chloride (90.39%)	7647-14-5	Irritation: Eye-Rabbit • 10 mg • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Diflubenzuron (8%)	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

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 • 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 • Specific Target Organ Toxicity Repeated Exposure 2

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.

Section 12 - Ecological Information

Toxicity

Components		
Diiflubenzuron (8%)	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. Do not contaminate water, food, or feed by storage or disposal.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not reuse or refill container.

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 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 • 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.

USER SAFETY RECOMMENDATIONS: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Hazards to Humans and Domestic Animals •

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves. Remove and wash contaminated clothing before reuse.

First Aid •

Call a poison control center or doctor immediately for treatment advice. If on Skin or Clothing • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor immediately for treatment advice. If Swallowed • 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.

Environmental Hazards •

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

• **PERSONAL PROTECTIVE EQUIPMENT:** Wear long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves (such as or made out of any waterproof material, Selection Category A). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Inventory		
Component	CAS	TSCA
Diflubenzuron	35367-38-5	Yes
Sodium chloride	7647-14-5	Yes

United States

Environment

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

• Sodium chloride	7647-14-5	Not Listed
• Diflubenzuron	35367-38-5	1.0 % de minimis concentration

Section 16 - Other Information

Revision Date • 06/May/2016

Last Revision Date • 24/September/2014

Preparation Date • 24/September/2014

Disclaimer/Statement of Liability

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