



## Safety Data Sheet

### Section 1: Identification

#### Product identifier

##### Product Name

- **Starbar QuikStrike Fly Bait Spray**

##### Synonyms

- EPA Reg. No.: 2724-838-89459; RF2179

##### Product Description

- Light blue granular solid.

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

##### Recommended use

- For control of house flies in industrial, commercial and agricultural settings.

##### Restrictions on use

- KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with skin, eyes, or clothing. Do not take internally.

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

##### Manufacturer

- Central Garden & Pet Company  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173  
United States

#### Emergency telephone number

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

- **Manufacturer (Transportation)** ● 1-703-527-3887 - CHEMTREC - outside North America - Collect Calls Accepted

##### Manufacturer

- 1-800-347-8272

### 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 product is toxic to shrimp and bees.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition		
Chemical Name	Identifiers	%
9-Tricosene, (Z)	CAS:27519-02-4	0.04%
Dinotefuran	CAS:165252-70-0	0.5%
Other ingredients	NDA	< 2%
Sucrose	CAS:57-50-1	80% TO 99%

## 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. Give artificial respiration if person is not breathing. Get medical attention immediately if symptoms occur.

#### 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: Call a POISON CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

### 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.

#### Other information

- None specified.

## Section 5: Fire-Fighting Measures

### Extinguishing media

#### Suitable Extinguishing Media

- Class A stored-pressure wet-water or water-mist extinguisher or extinguishing media that is appropriate for the surrounding fire and materials.

#### Unsuitable Extinguishing Media

- Avoid use of pressurized dry-chemical extinguishers on powdered materials to prevent dust suspensions and dust explosion hazards. Hose streams should be used with great care to avoid creating dust clouds. Fog nozzles should be used.

#### Firefighting Procedures

- Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Ventilate closed spaces before entering. Eliminate ignition sources. Non-sparking tools such as scoop shovels or natural-bristle brooms may be appropriate. Use extinguishing agent suitable for type of surrounding fire.

## 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

- Thermal decomposition, at temperatures in excess of 365°F, may release flammable gases and acrid fumes and smoke, including aldehydes, carbon monoxide, carbon dioxide, and steam.

### Advice for firefighters

- Do not allow run-off to enter waterways. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- Keep all sources of ignition away and avoid creating dusty conditions. Use appropriate Personal Protective Equipment (PPE)

#### Emergency Procedures

- Contain spill and monitor for excessive dust accumulation. Use normal clean up procedures. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Evacuate area.

### Environmental precautions

- Avoid generating dust. Do NOT wash away into sewer.

### Methods and material for containment and cleaning up

#### Containment/Clean-up Measures

- 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 contact with skin, eyes, and clothing. Remove clothing immediately if product gets inside. Wash thoroughly and put on clean clothing. No open flames, no sparks and no smoking. Avoid breathing dust. To minimize dust generation and accumulation, spills should be cleaned up, and, dust accumulations should be removed promptly.

### Conditions for safe storage, including any incompatibilities

#### Storage

- Do not contaminate water, food, or feed by storage or disposal. Keep container/package tightly closed in a cool, well-ventilated place. Keep only in the original container. Keep out of reach of children. Store away from heat or open flame.

#### Incompatible Materials or Ignition Sources

- Oxidizing agents. Strong acids. Heat, sparks, open flame.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

#### Exposure Limits/Guidelines

- No data available.

#### Exposure Limits/Guidelines

	Result	ACGIH	NIOSH	OSHA
Sucrose (57-50-1)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

## Exposure controls

### Engineering Measures/Controls

- Local exhaust ventilation.

### Personal Protective Equipment

#### Pictograms



#### Respiratory

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

### General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice.

### Environmental Exposure Controls

- 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. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Light blue granules.
Color	Light blue.	Odor	Fish-like
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	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	Minimum Ignition Energy – Dust Cloud: 50 - 100 mJ
Flammability (solid, gas)	No data available		
Environmental			
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.

## Conditions to avoid

- Heat, sparks, open flame.

## Incompatible materials

- Strong oxidizers, such as potassium permanganate, potassium chlorate, potassium nitrate, potassium perchlorate, and nitric acid. Strongly hydrophilic liquids such as sulfuric acid can release carbon monoxide upon contact with sugar. Carbon dioxide, flammable aldehyde, and carbon monoxide may form when heated to decomposition, or heated with strong, concentrated alkalis. This reaction is exothermic.

## Hazardous decomposition products

- Thermal decomposition, at temperatures in excess of 365°F, may release flammable gases and acrid fumes and smoke, including aldehydes, carbon monoxide, carbon dioxide, and steam. If confined, the decomposition gases can exert considerable pressure.

## Section 11 - Toxicological Information

### Information on toxicological effects

	CAS	
Starbar QuikStrike Fly Bait Spray	NDA	<b>Irritation:</b> Eye-Rabbit • Essentially non-irritating
Components		
Dinotefuran (0.5%)	165252-70-0	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2450 mg/kg; Inhalation-Rat LC50 • >4.9 g/m <sup>3</sup> 4 Hour (s); Skin-Rat LD50 • >2000 mg/kg
9-Tricosene, (Z) (0.04%)	27519-02-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • >5 g/m <sup>3</sup> ; Skin-Rabbit LD50 • >2000 mg/kg

GHS Properties	Classification
<b>Acute toxicity</b>	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
<b>Aspiration Hazard</b>	OSHA HCS 2012 • Classification criteria not met
<b>Carcinogenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Germ Cell Mutagenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Skin corrosion/Irritation</b>	OSHA HCS 2012 • Classification criteria not met
<b>Skin sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-RE</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-SE</b>	OSHA HCS 2012 • Classification criteria not met
<b>Toxicity for Reproduction</b>	OSHA HCS 2012 • Classification criteria not met
<b>Respiratory sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>Serious eye damage/Irritation</b>	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)** ● Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** ● No data available

**Ingestion**

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

**Section 12 - Ecological Information****Toxicity**

Component	CAS	Data
Dinotefuran (0.5%)	165252-70-0	<b>Crustacea:</b> 48 Hour(s) LC50 Crustacea 1000 mg/L [Acute]; <b>Fish:</b> 96 Hour(s) LC50 Fish 100 mg/L [Acute]
9-Tricosene, (Z) (0.04%)	27519-02-4	<b>Crustacea:</b> 48 Hour(s) LC50 Crustacea 1.08 mg/L [Acute]; <b>Fish:</b> 96 Hour(s) LC50 Fish 1000 mg/L [Acute]; 96 Hour(s) LC50 Fish 1000 mg/L [Acute]

**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 shrimp and highly toxic to bees.

**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 disposal. Do not allow into any sewer on the ground, or into any body of water.

**Packaging waste**

- Do not reuse or refill this container. 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	None	Not Regulated	N/A	N/A	N/A
IMO/IMDG	N/A	Not Regulated	N/A	N/A	N/A
IATA/ICAO	N/A	Not Regulated	N/A	N/A	N/A

**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

**Key to abbreviations**

= N/A = Not applicable.

## Section 15 - Regulatory Information

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

**SARA Hazard Classifications** ● Not classified

**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

**Hazard Statements** ● KEEP OUT OF REACH OF CHILDREN

**Precautionary Statements** ● Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Users should wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Keep away from fire, sparks and heated surfaces

**Hazards to Humans and Domestic Animals** ● HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION- Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, shoes and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**First Aid** ● IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible. Call poison control center or doctor for treatment advice.

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.

IF SWALLOWED: Call a poison control center or doctor for treatment advice. Have a 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.

Have the product container or label with you when calling a poison control center or

doctor, or going for treatment. You may also contact 1-800-347-8272 for emergency medical treatment information.

**Environmental Hazards** ● This product is toxic to shrimp. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment. Do not apply this product if bees are foraging in the treatment areas.

Inventory		
Component	CAS	TSCA
9-Tricosene, (Z)	27519-02-4	Yes
Dinotefuran	165252-70-0	No
Sucrose	57-50-1	Yes

## Section 16 - Other Information

**Last Revision Date**

- 29/April/2015

**Preparation Date**

- 28/April/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 IF MADE.