



## Safety Data Sheet

### Section 1: Identification

#### Product identifier

##### Product Name

- **Starbar QuikStrike Fly Bait**

##### Synonyms

- 100508297; 100508298; 100508299; EPA Reg. No.: 2724-812

##### Product Description

- 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. Keep away from heat, sparks and flames.

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

##### Manufacturer

- Wellmark International  
1501 E. Woodfield Road, Suite 200 West  
Schaumburg, IL 60173  
United States

#### Emergency telephone number

##### Manufacturer

- 1-800-424-9300 - CHEMTREC

##### Manufacturer

- 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 pesticide is highly toxic to bees. This pesticide is toxic to shrimp. 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     | %     |
| Dinotefuran       | CAS:165252-70-0 | 0.5%  |
| 9-Tricosene, (Z)  | CAS:27519-02-4  | 0.04% |
| Sucrose           | CAS:57-50-1     | > 99% |
| Other ingredients | NDA             | < 1%  |

### 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. Get medical attention if symptoms occur.

##### Skin

- IF ON SKIN: Wash skin with soap and water.

##### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

##### 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** • Use water spray or water fog.

**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.

### 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

- Decomposes upon heating and may produce toxic vapors/gases.

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## 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. 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/m <sup>3</sup> TWA | 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust) | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> 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       | Blue granules.           |
| Color                             | Blue              | Odor                         | Fish-like                |
| 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                           | 6.15 in 1% aq. solution  |
| Specific Gravity/Relative Density | = 0.93 Water=1    | Bulk Density                 | 50 lb(s)/ft <sup>3</sup> |

|                                     |                   |               |                   |
|-------------------------------------|-------------------|---------------|-------------------|
| Water Solubility                    | Soluble           | 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.

### Conditions to avoid

- Heat, sparks, open flame. Excessive heat.

### Incompatible materials

- Strong oxidizers. Strong acids.

### Hazardous decomposition products

- Decomposes on heating above 401°F (205°C) and may produce toxic fumes/gases.

## Section 11 - Toxicological Information

### Information on toxicological effects

| Components               |             |                                                                                                                                                                                                                                                        |
|--------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dinotefuran (0.5%)       | 165252-70-0 | <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2000-2804 mg/kg; Inhalation-Rat LC50 • >4.09 mg/L 4 Hour (s); Skin-Rabbit LD50 • >2000 mg/kg;<br><b>Irritation:</b> Eye-Rabbit • Essentially non-irritating; Skin-Rabbit • Essentially non-irritating |
| 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>                | <b>OSHA HCS 2012</b> • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met |
| <b>Skin corrosion/Irritation</b>     | <b>OSHA HCS 2012</b> • Classification criteria not met                                                                                                                                                   |
| <b>Serious eye damage/Irritation</b> | <b>OSHA HCS 2012</b> • Classification criteria not met                                                                                                                                                   |

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| <b>Skin sensitization</b>        | OSHA HCS 2012 • Classification criteria not met |
| <b>Respiratory sensitization</b> | OSHA HCS 2012 • 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>Toxicity for Reproduction</b> | OSHA HCS 2012 • Classification criteria not met |
| <b>STOT-SE</b>                   | OSHA HCS 2012 • Classification criteria not met |
| <b>STOT-RE</b>                   | OSHA HCS 2012 • Classification criteria not met |

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • Exposure to dust may cause respiratory irritation.
- Chronic (Delayed)** • No data available

### Skin

- Acute (Immediate)** • Exposure to dust may cause irritation.
- Chronic (Delayed)** • No data available

### Eye

- Acute (Immediate)** • Exposure to dust may cause irritation.
- Chronic (Delayed)** • No data available

### Ingestion

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

### Mutagenic Effects

- Dinotefuran technical was negative in the following in vitro assays: Ames Assay, mouse lymphoma (L5178Y), mammalian cytogenetics (CHL/IU) or DNA Repair.

### Carcinogenic Effects

- No component of this product present at 0.1% or greater is listed by IARC, OSHA or NTP.

### Reproductive Effects

- Dinotefuran technical did not produce developmental effects in rats at doses up to 1000 mg/kg/day (the highest does tested). 9-Tricosene, (Z) did not produce developmental effects in rats.

## Section 12 - Ecological Information

### Toxicity

| Components               |             |                                                                                                                                                                                                                                           |
|--------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dinotefuran (0.5%)       | 165252-70-0 | <b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Rainbow Trout</i> >100 mg/L [Acute]<br><b>Aquatic Toxicity-Crustacea:</b> 48 Hour(s) LC50 <i>Daphnia magna</i> >1000 mg/L [Acute]                                                        |
| 9-Tricosene, (Z) (0.04%) | 27519-02-4  | <b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Rainbow Trout</i> >1000 mg/L [Acute]<br>96 Hour(s) LC50 <i>Blue Gill</i> >1000 mg/L [Acute]<br><b>Aquatic Toxicity-Crustacea:</b> 48 Hour(s) LC50 <i>Daphnia magna</i> 1.08 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       | Not Applicable | Not Regulated           | Not Applicable              | Not Applicable | Not Applicable        |
| IMO/IMDG  | Not Applicable | Not Regulated           | Not Applicable              | Not Applicable | Not Applicable        |
| IATA/ICAO | Not Applicable | Not Regulated           | Not Applicable              | Not Applicable | Not Applicable        |

**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** • 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****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 surface.

KEEP OUT OF THE REACH OF CHILDREN.

**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**

|                                |                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------|
| <b>Revision Date</b>           | • 04/January/2016                                                                     |
| <b>Last Revision Date</b>      | • 04/January/2016                                                                     |
| <b>Preparation Date</b>        | • 04/January/2016                                                                     |
| <b>Disclaimer/Statement of</b> | • The information and statements herein are believed to be reliable but are not to be |

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