



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/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	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)/ft³

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

- 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	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2000-2804 mg/kg; Inhalation-Rat LC50 • >4.09 mg/L 4 Hour (s); Skin-Rabbit LD50 • >2000 mg/kg; Irritation: Eye-Rabbit • Essentially non-irritating; Skin-Rabbit • Essentially non-irritating
9-Tricosene, (Z) (0.04%)	27519-02-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • >5 g/m ³ ; Skin-Rabbit LD50 • >2000 mg/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 • Classification criteria not met
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)** • 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	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> >100 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 <i>Daphnia magna</i> >1000 mg/L [Acute]
9-Tricosene, (Z) (0.04%)	27519-02-4	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> >1000 mg/L [Acute] 96 Hour(s) LC50 <i>Blue Gill</i> >1000 mg/L [Acute] Aquatic Toxicity-Crustacea: 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

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

Liability

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.