



Starbar QuikStrike Fly Bait

Safety Data Sheet

Date of issue: 01/04/2016

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Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Starbar QuikStrike Fly Bait
Synonyms : 100508297; 100508298; 100508299; EPA Reg. No.: 2724-812, RF2172 Insecticide Bait D

1.2. Recommended use and restrictions on use

Recommended use : For control of house flies in industrial, commercial and agricultural settings.
Restrictions on use : Keep out of reach of children. Do not use or store near heat or open flame. avoid contact with eyes, skin or clothing.

1.3. Supplier

Wellmark International
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173 - United States
www.starbarproducts.com

1.4. Emergency telephone number

Emergency number : 1-800-347-8272
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Combustible Dust May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Signal word (GHS US) : Warning
Hazard statements (GHS US) : May form combustible dust concentrations in air

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : This product is toxic to shrimp and bees. this product is considered hazardous. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|--|-----------------------|---------|
| Dinotefuran | (CAS-No.) 165252-70-0 | 0.5 |
| Z-9-Tricosene | (CAS-No.) 27519-02-4 | 0.04 |
| Sucrose | (CAS-No.) 57-50-1 | > 99 |
| Non-hazardous and/or does not meet criteria for classification | (CAS-No.) N/A | Balance |

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Starbar QuikStrike Fly Bait

Safety Data Sheet

- First-aid measures after eye contact : 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 and attention.
- First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.
- Unsuitable extinguishing media : Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical

- Fire hazard : Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- Explosion hazard : Dust cloud can be ignited by a spark. 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.
- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Ventilate closed spaces before entering. Eliminate ignition sources.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel. No flames, no sparks. Eliminate all sources of ignition. Avoid contact with skin, eyes and clothing. Avoid dust formation.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
- Emergency procedures : Contain spill and monitor for excessive dust accumulation. 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.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Use appropriate PPE. Minimize generation of dust. Sweep or scoop spills, dispose of any unusable material in approved landfill. Non-sparking tools should be used.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Avoid dust formation. 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.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid direct sunlight. Avoid extreme temperatures.
- Incompatible materials : Heat, sparks, open flame. Strong acids. strong bases. strong oxidizers.

Starbar QuikStrike Fly Bait

Safety Data Sheet

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Sucrose (57-50-1) | | |
|-------------------|--------------------------------------|--|
| ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ |
| ACGIH | Remark (ACGIH) | Dental erosion |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |
| NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) |

8.2. Appropriate engineering controls

- Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------|
| Physical state | : Solid |
| Appearance | : Blue granular solid |
| Color | : Blue |
| Odor | : Fish like |
| Odor threshold | : No data available |
| pH | : 6.15 in 1% aq. solution |
| Melting point | : No data available |
| Freezing point | : Not applicable |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Non-flammable |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : 0.93 |

Starbar QuikStrike Fly Bait

Safety Data Sheet

| | |
|---|----------------------------|
| Bulk density | : 50 lb(s)/ft ³ |
| Solubility | : Soluble |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : No data available |
| Explosion limits | : Not applicable |
| Explosive properties | : Combustible dust |
| Oxidizing properties | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat, sparks, open flame. Excess heat. Avoid direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Dinotefuran (165252-70-0) | |
|----------------------------|-------------------|
| LD50 oral rat | 2000 – 2804 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 4.09 mg/l/4h |

| Z-9-Tricosene (27519-02-4) | |
|----------------------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5 mg/l |

| GHS-US Properties | Classification |
|--|----------------|
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitization | Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| Specific target organ toxicity (single exposure) | Not classified |
| Specific target organ toxicity (repeated exposure) | Not classified |
| Aspiration hazard | Not classified |

Starbar QuikStrike Fly Bait

Safety Data Sheet

Potential health effects

Inhalation

Acute : Under normal conditions of use, no health effects are expected.

Skin

Acute : Under normal conditions of use, no health effects are expected.

Eye

Acute : Under normal conditions of use, no health effects are expected.

Ingestion

Acute : Under normal conditions of use, no health effects are expected.

Mutagenicity

: Dinotefuran technical was negative in the following in vitro assays: Ames Assay, mouse lymphoma (L5178Y), mammalian cytogenetics (CHL/IU) or DNA Repair. Z-9 Tricosene is not expected to be a mutagen.

Carcinogenicity

: 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

12.1. Toxicity

| Dinotefuran (165252-70-0) | |
|----------------------------|--|
| LC50 Acute fish 1 | > 100 mg/l (Exposure time: 96h - Rainbow trout) |
| LC50 Acute crustacea 1 | > 1000 mg/l (Exposure time: 48h - Daphnia magna) |
| Z-9-Tricosene (27519-02-4) | |
| LC50 Acute fish 1 | > 1000 mg/l (Exposure time: 96h - Rainbow trout) |
| LC50 Acute fish 2 | > 1000 mg/l (Exposure time: 96h - Blue gill) |
| EC50 Daphnia 1 | 1.08 mg/l (Exposure time: 48h - Daphnia magna) |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Other adverse effects

| Starbar QuikStrike Fly Bait | |
|-----------------------------|---|
| Ecological Fate | This pesticide is toxic to shrimp and highly toxic to bees. |

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

| | UN number | Proper Shipping Name | Transport hazard class(es) | Packing group | Environmental hazards |
|-------------|---------------|----------------------|----------------------------|---------------|-----------------------|
| DOT | Not regulated | Not regulated | Not regulated | Not regulated | Not applicable |
| IMDG | Not regulated | Not regulated | Not regulated | Not regulated | Not applicable |
| IATA | Not regulated | Not regulated | Not regulated | Not regulated | Not applicable |

SECTION 15: Regulatory information

15.1. US Federal regulations

| Z-9-Tricosene (27519-02-4) |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

Starbar QuikStrike Fly Bait

Safety Data Sheet

| | |
|--|--|
| Sucrose (57-50-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| EPA Labelling | |
| EPA Registration Number | 2724-812 |
| 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. | |
| FIFRA Hazard statements | Caution |
| FIFRA Precautionary statements | KEEP OUT OF REACH OF CHILDREN. |
| FIFRA Hazards to Humans and Domestic Animals | Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. |
| FIFRA First aid | 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. IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water, if able to swallow. Do not give anything by mouth to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. |
| FIFRA 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. |

15.2. US State regulations

No additional information available

SECTION 16: Other information

Date of issue : 04 January 2016
Revision date : 02 November 2020

Indication of changes:

Revised Sec. 1: Added material number(s).

SDS US (GHS HazCom 2012) - CGP

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