

**MATERIAL SAFETY DATA SHEET**  
**STARBAR QUIKSTRIKE™ FLY ABATEMENT STRIP**

**Manufacturer:** Wellmark International  
**Address:** 1100 East Woodfield Road, Suite 500 Schaumburg, IL 60173  
**Emergency Phone:** 1-800-347-8272  
**Transportation Emergency Phone:** CHEMTREC: 1-800-424-9300

**1. CHEMICAL PRODUCT INFORMATION**

**Product Name:** Starbar Quikstrike™ Fly Abatement Strip  
**Chemical Name/Synonym:** Nithiazine  
**Chemical Family:** Nitromethylene heterocycle  
**Formula:** C5 H8 N2 O2 S  
**EPA Registration No.:** 2724-461  
**RF Number:** 9023

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

| <u>Component (chemical, common name)</u>                   | <u>CAS Number</u> | <u>Weight</u> | <u>Tolerance</u> |
|------------------------------------------------------------|-------------------|---------------|------------------|
| Nithiazine (2H-1,3-Thiazine, Tetrahydro-2-(nitromethylene) | 58842-20-9        | 1.0%          | Not established  |
| Inert ingredients (nonhazardous and/or trade secret):      |                   | 99.0%         | Not established  |

**3. HAZARD INFORMATION**

**PRECAUTIONARY STATEMENT**  
**KEEP OUT OF THE REACH OF CHILDREN**  
**CAUTION:** Avoid contact with eyes.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Under normal use conditions, exposure that will cause toxic/adverse effects, is not expected from this product. Depending on the dose/exposure (not likely, unless ingested accidentally) cholinergic-like symptoms may be observed.

**PRIMARY ROUTE OF ENTRY**     **Dermal/Eye:** Yes (slight)     **Oral:** No     **Inhalation:** No

**ACUTE TOXICITY**

**Oral:** LD50 (rat): 303 mg/kg (Nithiazine)  
**Dermal:** Dermal LD50 (rabbit): >2,000 mg/kg  
**Inhalation:** Not Known

**OTHER TOXICOLOGICAL INFORMATION**

**Skin Irritation:** Only slight irritation. (rabbit)  
**Eye Irritation:** Mild irritant. (rabbit)  
**Sensitizer:** Not a skin sensitizer. (guinea pig)

#### 4. FIRST AID MEASURES

**Eye:** Hold eyelids open and rinse eyes slowly and gently with water for 15 -20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**Skin:** Flush with plenty of water and soap. Get medical advice if necessary.

**Ingestion:** Exposure via this route is not expected, however, in case of accidental exposure, induce vomiting and seek medical advice.

**Inhalation:** N/A

**Note to Physician:** Treat symptomatically. This compound does not inhibit cholinesterase but symptoms of toxicosis may resemble cholinergic stimulation.

#### 5. FIRE FIGHTING MEASURES

**NFPA Rating:**      **Health:** 1                      **Fire:** 0                      **Reactivity:** 0

**Flammability Class:** Non-flammable solid

**Flash Point:** Not applicable

**Explosive Limits (% of Volume):** Not applicable

**Extinguishing Media:** Foam, water mist, CO2, extinguishing powder, sand

**Special Protective Equipment:** Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Fire Fighting Procedures:** Normal procedures. Do not allow firefighting water to escape into waterways or sewers.

**Combustion Products:** Carbon monoxide and carbon dioxide may form from incomplete combustion

**Unusual Fire/Explosion Hazards:** None known

#### 6. ACCIDENTAL RELEASE MEASURES

**Steps to be taken:** Due to product form, the possibility of a spill is remote. However, if one should occur, sweep up and place in a suitable container for disposal.

**Absorbents:** Not necessary due to product form

**Incompatibles:** Strong Oxidizers

#### 7. HANDLING AND STORAGE

**Handling:** Do not eat, drink or smoke when handling. Keep away from food, and drink. Remove all contaminated clothing after use. Always wash hands with plenty of soap and water after handling.

**Storage:** Store in a cool, dry place away from children.

#### 8. EXPOSURE CONTROL / PERSONAL MEASURES

**Exposure Limits:** Not established

**Ventilation:** Natural ventilation will suffice.

**Personal Protective Equipment:** Not necessary for normal use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------|
| <b>Appearance and Odor:</b>     | Plastic strips 4x14 with yellow coating enclosed in perforated plastic holder. No odor. |
| <b>Boiling Point:</b>           | Not applicable                                                                          |
| <b>Melting Point:</b>           | Decomposes before melting                                                               |
| <b>Vapor Pressure (mm Hg):</b>  | Not applicable                                                                          |
| <b>Vapor Density (Air = 1):</b> | Not applicable                                                                          |
| <b>Specific Gravity:</b>        | 1.16 g/cm <sup>3</sup> at 20C                                                           |
| <b>Bulk Density:</b>            | ~60 lbs/ft <sup>3</sup>                                                                 |
| <b>Solubility:</b>              | Less than 20                                                                            |
| <b>Evaporation Rate:</b>        | Not applicable                                                                          |
| <b>pH:</b>                      | 10.4                                                                                    |

## 10. STABILITY AND REACTIVITY

|                                            |                  |
|--------------------------------------------|------------------|
| <b>Stability:</b>                          | Stable           |
| <b>Reactivity:</b>                         | Not reactive     |
| <b>Incompatibility w/ Other Materials:</b> | Strong Oxidizers |
| <b>Decomposition Products:</b>             | Not known        |
| <b>Hazardous Polymerization:</b>           | Will not occur   |

## 11. TOXICOLOGICAL INFORMATION

### CHRONIC TOXICITY [Specific to Active Ingredient(s)]

No data has been generated for chronic oral exposure as such exposure is unlikely. Due to unique product form and small quantity of active material used in the device, hazard to humans from this product is considered of least toxicological consequences, when this product is used according to label directions.

### DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

No data is available. As explained above (chronic toxicity), these hazards are not expected from this product when used according to label directions.

### MUTAGENICITY [Specific to Active Ingredient(s)]

Negative when tested for gene mutation (Ames test), chromosomal aberrations (mouse micronucleus) and for DNA damage (UDS)

### OTHER

Acute Neurotoxicity (rat): NOAEL <30 mg/kg.

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE [Active Ingredients Only]

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Hydrolysis:</b>       | T1/2 >3 months at pH7, T1/2 3 hours at pH1.1 |
| <b>Photolysis:</b>       | T1/2 0.6 hours                               |
| <b>Soil half life:</b>   | Not available                                |
| <b>Water solubility:</b> | 20%                                          |

### ECOTOXICITY [Active Ingredients Only]

**Acute Toxicity:** fish:LC50: (rainbow trout): 110 mg/L, (bluegill sunfish): 140 mg/L (96 hour); aquatic invertebrates:EC50: (daphnia magna): 33 mg/L (48 hour)

### 13. DISPOSAL CONSIDERATIONS

To dispose, wrap in newspaper and put in trash.

### 14. TRANSPORT INFORMATION

**DOT49CFR Description:** Not regulated

**Freight Classification:** Traps, insect, n.o.i. o/t electric, SU, in boxes: NMFC 187150 Sub 1 Cl. 200

### 15. REGULATORY INFORMATION

**CERCLA (Superfund):** Not regulated

**RCRA:** Not regulated as hazardous

#### SARA 311/312 HAZARD CATEGORIES

**Immediate Health:** Yes (mild irritant)

**Delayed Health:** No

**Fire:** No

**Sudden Pressure:** No

**Reactivity:** No

*The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.*