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MATERIAL SAFETY DATA SHEET
STARBAR QUIKSTRIKE™ FLY ABATEMENT STRIP

Manufacturer: Wellmark International

Address: 1501 E. Woodfield Rd., Suite 200-West, 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

Component (chemical, common name)	CAS Number	Weight	Tolerance
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 accidently) 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 (Nithiazaine)

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

Appearance and Odor:	Plastic strips 4x14 with yellow coating enclosed in perforated plastic holder. No odor.
Boiling Point:	Not applicable
Melting Point:	Decomposes before melting
Vapor Pressure (mm Hg):	Not applicable
Vapor Density (Air = 1):	Not applicable
Specific Gravity:	1.16 g/cm3 at 20C
Bulk Density:	~60 lbs/ft3
Solubility:	Less than 20
Evaporation Rate:	Not applicable
pH:	10.4

10. STABILITY AND REACTIVITY

Stability:	Stable
Reactivity:	Not reactive
Incompatibility w/ Other Materials:	Strong Oxidizers
Decomposition Products:	Not known
Hazardous Polymerization:	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 in 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]

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