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MATERIAL SAFETY DATA SHEET
STRIKE™ ULTRA PROFESSIONAL MIDGE CONTROL

Manufacturer: Wellmark International
Address: 1501 East Woodfield Road, Suite 200-West Schaumburg, IL 60173
Emergency Phone: 1-800-248-7763
Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Strike™ Ultra Professional Midge Control
Chemical Name/Synonym: (S)-Methoprene: Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate
Chemical Family: Terpenoid
Formula: C₁₉ H₃₄ O₃
EPA Registration No.: 2724-427
RF Number: 9811

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
(S)- Methoprene: Isopropyl (2E,4E,7S)-11-Methoxy-3,7,11-trimethyl-2,4-dodecadienoate	65733-16-6	33.6%	Not established
Other ingredients: (nonhazardous and/or trade secret):		66.4%	Not established
Hydrotreated light petroleum distillate	64742-47-8		Not established

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENT

Caution: Keep out of the reach of children. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

No adverse reactions have resulted from normal human exposure during research and testing.

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

ACUTE TOXICITY

Oral: LD50 (rat): >5,100 mg/kg bw
Dermal: LD50 (rabbit): >2,100 mg/kg bw
Inhalation: LC50 (rat): >5.19 mg/L air (S) Methoprene

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Moderately irritating
Eye Irritation: Mildly irritating
Sensitizer: Not a dermal sensitizer

4. FIRST AID MEASURES

Eye: 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 eyes. Call a poison control center or doctor for treatment advice.

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.

Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

Inhalation: Move to well ventilated area. Clear airway and support respiration if necessary. Seek medical attention.

Note to Physician: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

5. FIRE FIGHTING MEASURES

NFPA Rating: **Health: 0** **Fire: 2** **Reactivity: 0**

Flammability Class: Combustible liquid

Flash Point: 191°F, 88.3°C

Explosive Limits (% of Volume): Upper: Unknown; Lower: Unknown

Extinguishing Media: Foam, CO₂, dry chemical, water, fog

Special Protective Equipment: Wear protective clothing, eye protection, and self-contained breathing apparatus.

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

Combustion Products: Carbon monoxide, carbon dioxide

Unusual Fire/Explosion Hazards: Explosive hazards are moderate when vapors are exposed to heat or flame.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken: In case of leakage or spill, soak up with absorbent material. Place in a container for disposal.

Absorbents: Clay granules, sawdust, dirt or equivalent.

Incompatibles: None

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

Storage: Store in a cool, dry place, away from other pesticides, food and feed.

8. EXPOSURE CONTROL / PERSONAL MEASURES

- Exposure Limits:** Not established
- Ventilation:** Use with adequate ventilation.
- Personal Protective Equipment:** Under ordinary use conditions, no special protection is required. If prolonged exposure is expected, it is recommended to wear a MSHA/NIOSH approved organic vapor/pesticide respirator, impervious gloves, chemical goggles or safety glasses with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odor:** Clear, light amber liquid
- Boiling Point:** greater than 218°C
- Melting Point:** Not applicable
- Vapor Pressure (mm Hg):** < 0.1 mm Hg
- Vapor Density (Air = 1):** < 5.9
- Specific Gravity:** 0.858
- Bulk Density:** 7.1 lbs/gal
- Solubility:** Forms emulsion in water
- Evaporation Rate:** < 0.01 (n-butyl acetate = 1.0)
- pH:** 6.69

10. STABILITY AND REACTIVITY

- Stability:** Stable
- Reactivity:** Non-reactive
- Incompatibility w/ Other Materials:** Oxidizers
- Decomposition Products:** Carbon monoxide, carbon dioxide
- Hazardous Polymerization:** Will not occur

11. TOXICOLOGICAL INFORMATION

CHRONIC TOXICITY [Based on (RS)-Methoprene Technical]

Methoprene is not considered as an oncogenic compound. The NOEL for non-carcinogen effects in an 18-month mouse study was 250ppm.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Based on (RS)-Methoprene Technical]

Methoprene is not a teratogenic compound. The NOEL for maternal and embryo toxicity in rabbits was 200/mg/kg/day. The NOEL for reproductive effects in rats was 500 ppm.

MUTAGENICITY [Based on (RS)-Methoprene Technical]

Methoprene is not a mutagenic compound

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE [Based on (RS) Methoprene]

Hydrolysis: T1/2 > 4 weeks

Photolysis: T1/2 < 10 hours

Soil half life: ~ 10 days

Water solubility: < 2 ppm

ECOTOXICITY [Based on (S) Methoprene]

Acute Toxicity: This product is toxic to **aquatic dipteran**. **LC50 (trout):** 760ppb,
(Bluegill): >370ppb **aquatic invertebrates:** LC50 (Daphnia): 360 ppb

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by disposal. **Pesticide Disposal:** Waste resulting from this product may be disposed of on site or at an approved waste management facility. **Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT49CFR Description: Not Applicable

Freight Classification: Insecticides N.O.I O/T Poison NMCF 1-102120 CL 60

15. REGULATORY INFORMATION

CERCLA (Superfund): Ninatene 401-A (dodecylbenzene sulfonic acid, calcium salt) – RQ = 10 lbs.
Cas#26264-06-2

RCRA: Not Regulated

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes (irritation)

Delayed Health: No

Fire: Yes (combustible liquid)

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.