

MATERIAL SAFETY DATA SHEET**AMDRO® Kills Fire Ants Yard Treatment Bait****Manufacturer:** Ambrands**Address:** 2030 Powers Ferry Road, Ste. 370, Atlanta, GA 30339**Emergency Phone:** 1-800-265-0761**Transportation Emergency Phone:** CHEMTREC: 1-800-424-9300**1. CHEMICAL PRODUCT INFORMATION****Product Name:** AMDRO® Kills Fire Ants Yard Treatment Bait**Chemical Name/Synonym:** (S)-Methoprene; isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate

Hydramethylnon; Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone

Chemical Family: Terpenoid / Amidinohydrazone**Formula:** C₁₉ H₃₄ O₃ / C₂₅H₂₄N₄F₆**EPA Registration No.:** 73342-6-73342**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
Hydramethylnon: Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone	067485-29-4	0.0360%	1.4 MG/M ³ (TWA)
(S)- Methoprene: Isopropyl (2E,4E,7S)-11-Methoxy-3,7,11-trimethyl-2,4-dodecadienoate	65733-16-6	0.0172%	
Inert Ingredients		99.9468%	

Section 313 Toxic Chemical Reference: Hydramethylnon
American Cyanamid – 1986**3. HAZARD INFORMATION****PRECAUTIONARY STATEMENT****CAUTION!****KEEP OUT OF THE REACH OF CHILDREN****Hazards to Humans and Domestic Animals:** Avoid contact with skin, eyes and clothing.**Wash hands thoroughly with soap and water after handling.****Prolonged or frequently repeated skin contact may cause allergic reactions in some people.**

7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. When engineering control is not feasible and employee exposure exceeds 1.4 mg/m,³ wear a NIOSH approved pesticide respirator. When there is risk of exposure to eyes, wear dust proof goggles, overalls, and gloves.
- Storage:** Store in a cool, dry, secure place and keep container tightly closed. Store away from pets. Do not contaminate water, food or feed by storage. This product is formulated in oil bait. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening.

8. EXPOSURE CONTROL / PERSONAL MEASURES

- Exposure Limits:** OSHA PEL Total dust 15/ms
- Ventilation:** Use with adequate ventilation during formulation process.
- Personal Protective Equipment:** Under ordinary use conditions, no special protection is required. If prolonged exposure is expected or adequate ventilation during formulation process can not be maintained, 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:** Yellow-tan, free flowing granules having an odor characteristic of vegetable oil.
- Boiling Point:** N/A
- Melting Point:** N/A
- Vapor Pressure (mm Hg):** N/A
- Vapor Density (Air = 1):** N/A
- Bulk Density:** 20 lbs. per cubic foot
- Solubility:** Insoluble
- Evaporation Rate:** N/A
- pH:** N/A

10. STABILITY AND REACTIVITY

- Stability:** Stable
- Reactivity:** Non-reactive
- Incompatibility w/ Other Materials:** Not available
- Decomposition Products:** Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen.
- Hazardous Polymerization:** Will not occur

11. TOXICOLOGICAL INFORMATION

CHRONIC TOXICITY [Specific to Active Ingredient(s)]

A chronic toxicity study in rats with hydramethylnon did not demonstrate any compound-related clinical effects other than organ weight changes. The NOEL was determined to be 50 ppm.

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

In a 2-generation developmental toxicity study with hydramethylnon in Sprague-Dawley rats, the male rat NOEL was determined to be 75 ppm based on male reproductive effects. No reproductive or developmental effects are expected at exposure levels associated with the use of this product.

MUTAGENICITY [Specific to Active Ingredient(s)]

Hydramethylnon has not been shown to be a mutagenic or carcinogenic compound.

12. ECOLOGICAL INFORMATION**ENVIRONMENTAL FATE [Active Ingredients Only]**

Hydrolysis: Unknown
Photolysis: Unknown
Soil half life: Unknown
Water solubility: insoluble

ECOTOXICITY [Active Ingredients Only]

Acute Toxicity: Toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target areas.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by disposal. Open dumping is prohibited.

If empty – Do not reuse container. Place in trash or offer for recycling, if available.

If partly filled – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

General: Consult federal, state or local disposal authorities for approved alternative procedure.

14. TRANSPORT INFORMATION

DOT49CFR Description: Not Regulated

Freight Classification: Insecticides, N.O.I. OTHER THAN POISON NMFC I-102120 CL. 60

15. REGULATORY INFORMATION

CERCLA (Superfund): Not Regulated

RCRA: Not Regulated

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes (irritation)

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.