Date Issued: August 2012

# **MATERIAL SAFETY DATA SHEET** AMDRO® Kills Fire Ants Yard Treatment Bait

Manufacturer: **Ambrands** 

> 2030 Powers Ferry Road, Ste. 370, Atlanta, GA 30339 Address:

**Emergency Phone:** 1-800-265-0761

Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

# 1. CHEMICAL PRODUCT INFORMATION

AMDRO® Kills Fire Ants Yard Treatment Bait **Product Name:** 

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(trifluromethyl)phenyl]-1-[2-[4-(trifluromethyl)phenyl]ethenyl]-2-

propenylidene]hydrazone

Terpenoid / Amidinohydrazone **Chemical Family:** 

> Formula: C<sub>19</sub> H<sub>34</sub> O<sub>3</sub> / C<sub>25</sub>H<sub>24</sub>N<sub>4</sub>F<sub>6</sub>

EPA Registration No.: 73342-6-73342

# 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component (chemical, common name)	<u>CAS</u> <u>Number</u>	Weight	<u>Tolerance</u>
Hydramethylnon: Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4(trifluromethyl)phenyl]-1-[2-[4-(trifluromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone	067485-29-4	0.0360%	1.4 MG/M <sup>3</sup> (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.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

**ACUTE TOXICITY** Oral: LD<sub>50</sub> (rat): > 34,600 mg/kg bw (highest dose level tested) (Based on S-

Methoprene)

**Dermal:** LD<sub>50</sub> (rabbit) >5,000 mg/kg bw (Based on S-Methoprene) **Inhalation:** 4-hour LC<sub>50</sub> (rat): 5.19 mg/L air (Based on S-Methoprene).

OTHER TOXICOLOGICAL INFORMATION

**Skin Irritation:** Slightly irritating to the skin (based on technical active ingredient)

**Eye Irritation:** Moderate eye irritant (based on technical active ingredient)

**Sensitizer:** Hydramethylnon is not a 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 eye. 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. Get medical attention if irritation persists.

Ingestion: Drink two glasses of water, induce vomiting if the person is conscious. Seek

medical attention.

Inhalation: Remove to fresh air

Note to Physician: There is no specific antidote. Treatment of overexposure should be

directed at the control of symptoms and the clinical condition.

5. FIRE FIGHTING MEASURES

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

Flammability Class: Combustible solid

Flash Point: Does not flash (not a liquid)

Explosive Limits (% of Volume): N/A

**Extinguishing Media:** Use water, foam, carbon dioxide, or dry chemical.

Special Protective Equipment: Wear self contained, positive pressure breathing apparatus and full fire fighting

protective clothing.

Fire Fighting Procedures: Avoid heavy hose streams; airborne dust may create an explosion hazard. Do

not allow run-off to enter waterways.

**Combustion Products:** Thermal decomposition may produce hydrogen fluoride and oxides of carbon

and nitrogen.

Unusual Fire/Explosion Hazards: Class 1 dust exposure hazard.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken: Shovel or sweep up material and place in a container for disposal. Do not

allow spill to enter waterways. Keep all sources of ignition away from the spill, and avoid creating dusty conditions when handling this material. If heavy

dusting cannot be avoided, ground all equipment

Absorbents: None necessary due to product form and packaging.

**Incompatibles:** Not Available

# 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

y w/ Other Not available Materials:

**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.