



MATERIAL SAFETY DATA SHEET  
AMDRO PRO Fire Ant Bait

2030 Powers Ferry Road,  
Suite 500  
Atlanta, GA 30339

MSDS No.  
CAS NO. 067485-29-4  
DATE: December 9, 2005  
REVISED:  
EPA REG NO. 241-322-73342

EMERGENCY TELEPHONE: 800-265-0761 (U.S.A.)  
800-424-9300 (CHEMTREC)

SECTION I			
Trade Name: AMDRO® PRO Fire Ant Bait			
Chemical Name: Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-4-(trifluoromethyl) phenyl]- 1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2- propenylidene] hydrazone			
Synonyms: Hydramethylnon, AC 217,300		Formula: C <sub>25</sub> H <sub>24</sub> F <sub>6</sub> N <sub>4</sub>	
Chemical Family: Amidinohydrazone		Mol Wt: 494.5	
SECTION II - INGREDIENTS			
COMPONENT	CAS NO.	%	PEL/TLV – SOURCE
Hydramethylnon*	67485-29-4	0.73	1.4 mg/m <sup>3</sup> TWA manufacturer recommended
Inerts	N/A	99.27	None established
SARA Title III Section 313: * Listed			
SECTION III - PHYSICAL DATA			
BOILING/MELTING POINT @ 760mm Hg: 185 - 190°C		pH: N/D	
VAPOR PRESSURE mmHg @ 20° C: 6 X 10 <sup>-8</sup> @ 25°C			
SPECIFIC GRAVITY OR BULK DENSITY: 15 – 24 lb/cu. ft.			
SOLUBILITY IN WATER: 0.88 ppm @ 25°C (technical)			
APPEARANCE: Mustard color granules ODOR: Vegetable oil INTENSITY: Mild			
SECTION IV - FIRE AND EXPLOSION DATA			
FLASH POINT (TEST METHOD): >220° F		AUTOIGNITION TEMP: About 404°C	
FLAMMABILITY LIMITS IN AIR (% BY VOL):		LOWER: N/D	UPPER: N/D
NFPA 704 HAZARD CODES HEALTH: N/R FLAMMABLE: N/R INSTABILITY: N/R OTHER: N/R NFPA 30 STORAGE CLASSIFICATION: N/R			
EXTINGUISHING MEDIUM	Use water fog, foam, CO(2), or dry chemical extinguishing media.		
SPECIAL FIREFIGHTING PROCEDURES	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.		
UNUSUAL FIRE EXPLOSION HAZARDS	None known. Organic dusts may form an explosive dust/air mixture. Class St-1 explosive dust.		
SELECT ACRONYM KEY			
N/A – Not available; N/D – Not determined; N/R - Not rated; N/E – Not established			

SECTION V - HEALTH DATA

**TOXICOLOGICAL TEST DATA:**

Data for the formulated product:

- Rat, Oral LD50 (combined sexes) > 5000 mg/kg
- Rabbit, Dermal LD50 (combined sexes) > 2000 mg/kg
- Rat, Inhalation LC50 (4 hr) Not available
- Rat, Inhalation LC50 (1 hr, calculated) Not available
- Rabbit, Eye Irritation – Not irritating
- Rabbit, Skin Irritation – Mildly irritating.
- Guinea pig, Dermal Sensitizer – Not a sensitizer

Data for the technical material:

In a two generation rat reproduction study, male reproductive fertility was depressed at 75 ppm due to degenerative testicular changes but this effect was not seen at 50 ppm.

**OSHA, NTP, OR IARC Carcinogen:** Not Listed.

**EFFECTS OF OVEREXPOSURE:**

**See Product Label and Directions For Use for additional precautionary statements.**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: KEEP OUT OF REACH OF CHILDREN

MAY BE HARMFUL IF SWALLOWED. Avoid contact with skin, eyes, and clothing.

Existing medical conditions aggravated by this product: None known.

**FIRST AID PROCEDURES:**

- If swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
- If on 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.
- If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- Note to physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.
- Note: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION VI - REACTIVITY DATA

**STABILITY:** Stable. See Section X – Additional Information

**CONDITIONS TO AVOID:** Store in original container in cool, dry, well ventilated place away from ignition sources, heat or flame.

**CHEMICAL INCOMPATIBILITY:** Oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and nitrogen, HF

**HAZARDOUS POLYMERIZATION:** Does not occur.

**CONDITIONS TO AVOID:** Does not polymerize.

**CORROSIVE TO METAL:** No

**OXIDIZER:** No



**SECTION VII – PERSONAL PROTECTION**

**PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.**

**RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:**

**Respiratory Protection:**

Wear a NIOSH approved cartridge respirator approved for pesticides if the TWA of 1.4 mg/m3 is exceeded.

**Respiratory Protection:**

Supplied air respirators should be worn if large quantities of mist/dust (10 x the TWA) are generated or prolonged exposure possible.

**Eye Protection:**

Chemical goggles when respirator does not provide eye protection.

**Protective Clothing:**

Gloves and protective clothing as necessary to prevent skin contact.

**Ventilation:**

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

**SECTION VIII – ENVIRONMENTAL DATA**

**ENVIRONMENTAL TOXICITY DATA**

Hydramethylnon, the active ingredient, is very toxic to fish and aquatic invertebrates.

**SARA 311/312 REPORTING**

**FIRE: N PRESSURE: N REACTIVITY: N ACUTE: Y CHRONIC: Y TPQ(lbs): N/R**

**SPILL AND LEAK PROCEDURES:**

In case of large scale spillage of this product, avoid contact, isolate area and keep out animals and unprotected persons. Call CHEMTREC (800-424-9300) or AMDRO (800-265-0761). For a small spill, wear personal protective equipment as specified on the label.

FOR A SOLID SPILL: Sweep solid into a drum for re-use or disposal. Remove personal protective equipment and decontaminate it prior to re-use.

**HAZARDOUS SUBSTANCE SUPERFUND: No**

**RQ (lbs): None**

**WASTE DISPOSAL METHOD:**

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**HAZARDOUS WASTE 40CFR261: No**

**HAZARDOUS WASTE NUMBER: None**

**CONTAINER DISPOSAL:**

See above "WASTE DISPOSAL METHOD".

**SECTION IX – SHIPPING DATA – PACKAGE AND BULK**

**D.O.T. PROPER SHIPPING NAME (49CFR172.101-102):**

None

**HAZARDOUS SUBSTANCE**

**(49CFR CERCLA LIST): None**

**RQ(lbs): None**

**D.O.T. HAZARD CLASSIFICATION (CFR 172.101-102):**

**PRIMARY**

None

**SECONDARY**

**D.O.T. LABELS REQUIRED (49CFR 172.101-102):**

None

**D.O.T. PLACARDS REQUIRED (CFR172.504):**

None

**POISON CONSTITUENT (49CFR172.203(K):**

None

**BILL OF LADING DESCRIPTION**

Insecticides, agricultural, NOIBN

This product is not regulated by the Department of Transportation.

**CC NO.:** Not Applicable

**UN/NA CODE:**



SECTION X - ADDITIONAL INFORMATION

**Amdro® Pro Fire Ant Bait**

**HANDLING AND STORAGE INFORMATION**

Store in a cool, dry, secure place and KEEP THE CONTAINER TIGHTLY CLOSED.  
Amdro® Pro Fire Ant Bait is formulated in an oil bait that functions as an attractant to ants.  
Prolonged exposure to air may turn the oil rancid and reduce the attractiveness to ants.  
USE PRODUCT WITHIN 3 MONTHS OF OPENING CONTAINER.  
This product may be an attractant to pets and rodents.  
Keep pets away from treated areas for at least 24 hours after application.

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**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

**Complete Label and Directions For Use are attached to the product.**

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**AMBRANDS**

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DISCLAIMER

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