

MATERIAL SAFETY DATA SHEET

Agricultural Products Group
P.O.Box 13528,
Research Triangle Park, NC 27709

EMERGENCY TELEPHONE NUMBERS:

BASF Corporation: 1 (800) 832-HELP
CHEMTREC: 1 (800) 424-9300

Product No.: 579604 **Amdro® Pro fire ant bait**

Date Prepared: 6/21/2000 **Date Revised:** 10/1/2000

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:** C₂₅ H₂₄ F₆ N₄

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 ³ 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 x10⁽⁻⁸⁾ @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 BASF Corporation (800 832-HELP). 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 (49CFR172.101-102):**

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.

EPA Reg. No. 241-322**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.

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