AMBRANDS

2255 Cumberland Pkwy., Bldg. 500, Suite 200
Atlanta, GA 30335

MATERIAL SAFETY DATA SHEET

CAS NO. 067485-29-4
DATE: 1/1/01

EMERGENCY TELEPHONE: 800-265-0761

PRODUCT IDENTIFICATION

TRADE NAME: AMDRO FIRE ANT BAIT
SYNONYMS: Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethyenyl]-2-propenylidene]hydrazone; AMDRO<R> Fire Ant Insecticide; Hydramethylnon
CHEMICAL FAMILY: Amidinohydrazone
MOLECULAR FORMULA: C<25>H<24>N<4>F<6>
MOLECULAR WEIGHT: 494.500
USAGE: Insecticide

WARNING STATEMENTS

CAUTION!
KEEP OUT OF REACH OF CHILDREN.
AVOID ANY PROLONGED CONTACT TO SKIN OR EYES.

INGREDIENTS

COMPONENT	CAS. NO.		PEL/TLV
*Hydramethylnon	067485-29-4	0.73	1.4 mg/m>3< (TWA)
Inerts		99.27	

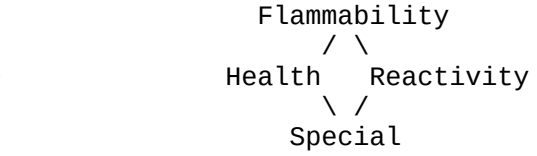
---

*Section 313 Toxic Chemical
REFERENCE: Hydramethylnon American Cyanamid - 1986
Inerts

PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Yellow-tan, free-flowing granules having an odor characteristic of vegetable oil.
BOILING POINT: Not Applicable
MELTING POINT: Not Applicable
VAPOR PRESSURE: Not Applicable
BULK DENSITY: 15-24 lbs./ft>3<
VAPOR DENSITY: Not Applicable
% VOLATILITY (BY VOL.): Not Applicable
OCTANOL / H<2>O PARTITION COEF.: Not Applicable
PH: Not Applicable
SATURATION IN AIR (BY VOL.): Not Applicable
EVAPORATION RATE: Not Applicable
SOLUBILITY IN WATER: Insoluble

FIRE AND EXPLOSION HAZARD INFORMATION	FLASH POINT:	> 220<o>F (> 104<o>C) Setaflash (c. cup)
	FLAMMABLE LIMITS (% BY VOL.):	Not Available
	AUTOIGNITION TEMP:	404 +/- 5<o>C
	DECOMPOSITION TEMP:	Not Available
	FIRE EXTINGUISHING MEDIA: Use water, foam, carbon dioxide, or dry chemical, to extinguish fires. FIRE CONTROL TACTICS: Avoid heavy hose streams; airborne dust may create an explosion hazard. Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent material run-off. Use spray or fog - solid stream may cause spreading. Do not decontaminate personnel or equipment, or handle broken packages or containers without protective equipment as specified in the Exposure Control Section. Decontaminate emergency personnel with soap and water before leaving the fire area. Avoid breathing dusts, vapors and fumes from burning materials. Control run-off water - if water enters a drainage system, advise the authorities downstream. DUST EXPLOSION DATA: This material has been tested in a 20-liter spherical bomb (per NFPA 68-1978) and has been found to be a Class 1 dust explosion hazard. <1% of this material passed through a 200 mesh screen for explosion testing after being ground up. If the material is further processed, the dust explosion hazard may change and it should be retested.	

NFPA HAZARD RATING	0 Least 1 Slight 2 Moderate 3 High 4 Severe	

REACTIVITY DATA	STABILITY:	Stable
	CONDITIONS TO AVOID:	This product may develop rancidity on prolonged exposure to air.
	POLYMERIZATION:	Will not occur
	INCOMPATIBLE MATERIALS:	Not Available
	HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen.

HEALTH HAZARD INFORMATION	TOXICITY DATA AND EFFECTS OF OVEREXPOSURE:	

ACUTE TOXICITY DATA:
The acute oral LD<50> in both male and female rats is greater than 5000 mg/kg indicating that this product is practically non-toxic by ingestion in single doses.
The acute dermal LD<50> in both male and female rabbits is greater than 2000 mg/kg indicating this product is no more than slightly toxic by single skin applications.
This product is mildly irritating to the rabbit skin but is not irritating to the rabbit eye.
Hydramethylnon, the active ingredient in AMDRO, is not listed as a carcinogen by OSHA, IARC or NTP.
EMERGENCY AND FIRST AID PROCEDURES:
<IF INHALED>: Remove to fresh air.
<IF SWALLOWED>: Drink two glasses of water, induce vomiting if the person is conscious. Seek medical attention.
<IF ON SKIN>: Wash skin with plenty of soap and water. Get medical attention if irritation persists.
<IF IN EYES>: Flush with plenty of water. Get medical attention if irritation occurs.
NOTES TO PHYSICIAN:
There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

EXPOSURE CONTROL METHODS

During the formulation of this product, use the following recommended industrial hygiene practices.
Local exhaust ventilation should be used to maintain exposure below 1.4 mg/m>3< (TWA<8>), and to control the generation of airborne dust at points of transfer or other points where full enclosure is not feasible.
When engineering control is not feasible and employee exposure exceeds 1.4 mg/m>3< wear a NIOSH approved pesticide respirator. In operations where there is a risk of accidental exposure to eyes, wear dust proof goggles, overalls, and gloves.

Remove contaminated clothing/equipment, wash before reuse.
For end users, use the recommended protective/equipment as prescribed by product label.

SPILL OR LEAK PROCEDURES

Wear appropriate protective clothing and personal protective equipment. (See "Exposure Control".)
Keep away from drains, surface and ground water, and soil.
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.
Shovel or sweep the spilled material into covered containers for proper disposal. (See "Waste Disposal".)
If possible, reuse the material for its intended purpose.
Rinse the spill area and any tools or implements several times with soapy water. Contain and absorb this rinsate with inert absorbents and place into the same covered container as the spilled material.
Spills to the soil can be shoveled directly into covered

containers for disposal. If the spill occurred to a body of water, notify the appropriate authorities downstream of the spill so that they can decide what if any further action is needed.
Depending on local spill reporting requirements and the amount released to the environment, it may be necessary to notify the regulatory authorities.

WASTE DISPOSAL: To avoid disposal, all attempts should be made to use this product completely, in accordance with its registered use. If this is not possible, handle with care and dispose in a safe manner. Keep all sources of ignition away and avoid creating dusty conditions when handling this product. If heavy dusting cannot be avoided, ground all equipment. Empty containers or liners may retain some product residues. DO NOT REUSE. Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinsate in a safe manner. Follow all applicable community, national or regional regulations regarding waste management methods.

SPECIAL PRECAUTIONS — HANDLING AND STORAGE:

This product is toxic to fish. Do not apply directly to lakes, ponds, or streams. This product may be an attractant to pets and rodents. Store in a secure place. Keep pets away from treated areas for at least 24 hours after application.
STORAGE: STORE IN A COOL, DRY, SECURE PLACE AND KEEP CONTAINER TIGHTLY CLOSED. AMDRO is formulated in an oil bait that functions as an attractant to ants. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. USE WITHIN 3 MONTHS AFTER OPENING CONTAINER.
Maintain good housekeeping to control dust accumulations. Due to the dust explosion hazard, all processing equipment should have explosion venting per NFPA 68-1978. All electrical wiring and equipment should meet the provisions of NFPA-70.
Do not contaminate water, food, or feed by storage or disposal. Store in a secure, dry, well-ventilated separate room, building or covered area.
Keep away from sources of ignition and protect from exposure to fire and heat.
Segregate from oxidizers and incompatible materials listed in the Reactivity Data Section.

ADDITIONAL REGULATORY INFORMATION

SARA Title III Data

Section 311 and 312 Hazard Categories

Immediate Health Hazard -	Y	Reactive Hazard -	N
Delayed Health Hazard -	N	Sudden Pressure Release Hazard -	N
Fire Hazard -	N		

Section 302 Extremely Hazardous Substances - None

Section 313 Toxic Chemicals - Hydramethylnon

CERCLA Reportable Quantity

AMDRO FIRE ANT BAIT - None known

RCRA Hazardous Waste Code(s) And Statement(s)

AMDRO FIRE ANT BAIT - None known

It is the responsibility of the waste generator to determine at the time of disposal whether this material meets any hazardous waste criteria.

APPENDIX

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

SOURCE AND

DATE INFORMATION DATE: 1/1/01