

**MATERIAL SAFETY DATA SHEET**

Agricultural Products Group  
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(919) 547-2000

**EMERGENCY TELEPHONE NUMBERS:**

**BASF Corporation: 1 (800) 832-HELP**

**CHEMTREC: 1 (800) 424-9300**

**Product No.:** 579678

**Subterfuge® termite bait**

**Date Prepared:** 7/12/2000 **Date Revised:** 1/11/2002

**SECTION I**

**Trade Name:** Subterfuge® termite 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, IN9331-1

**Formula:** C<sub>25</sub> H<sub>24</sub> N<sub>4</sub> F<sub>6</sub>

**Chemical Family:** Amidinohydrazone

**Mol Wt:** 494.5

**SECTION II - INGREDIENTS**

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
hydramethylnon*	67485-29-4	0.3	1.4 mg/m <sup>3</sup> TWA manufacturer recommended
inerts	N/A	99.7	None established

**SARA Title III Section 313:** \*Listed

**SECTION III - PHYSICAL DATA**

**BOILING/MELTING POINT@760mm Hg:** N/D **pH:** 5.53 (2% dispersion in water)

**VAPOR PRESSURE mmHg @ 20°C:** N/D

**SPECIFIC GRAVITY OR BULK DENSITY:** 4 - 11 lb/cu.ft.

**SOLUBILITY IN WATER:** Insoluble

**APPEARANCE:** Brown fibrous material

**ODOR:** N/D

**INTENSITY:** N/D

**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:** 1

**FLAMMABLE:** 2\*

**INSTABILITY:** 1

**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. A major component of this formulation is a Class ST-1 dust explosion hazard. The K<sub>st</sub> = 15 bar-m/sec and P<sub>max</sub> = 70 psig.

**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) &gt; 5000 mg/kg

Rabbit, Dermal LD50 (combined sexes) &gt; 4000 mg/kg

Rat, Inhalation LC50 (4 hr for technical) 2.9 mg/L

Rat, Inhalation LC50 (1 hr, calculated for the technical) 11.6 mg/L

Rabbit, Eye Irritation - Slightly to moderately irritating

Rabbit, Skin Irritation -Not 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.**

CAUTION: KEEP OUT OF REACH OF CHILDREN

MAY BE HARMFUL IF SWALLOWED.

Harmful if absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes or clothing.

Existing medical conditions aggravated by this product: None known.

**FIRST AID PROCEDURES**

**If on skin or clothing:** 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 eye. Call a poison control center or doctor for treatment advice.

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

**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. If amount ingested was small, if effective emesis has already occurred, or if treatment is delayed, consider administration of activated charcoal and sorbitol by mouth. If large amounts have been ingested and the patient is seen within an hour of ingestion, gastrointestinal decontamination should be considered.

**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.

**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 and organic fluorides**HAZARDOUS POLYMERIZATION:** Does not occur.**CONDITIONS TO AVOID:** Does not polymerize.**CORROSIVE TO METAL:** No**OXIDIZER:** No

**SECTION VII - PERSONAL PROTECTION**

Users of a pesticidal end use product should refer to the product label for personal protective equipment requirements.

**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/m<sup>3</sup> 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**

This product is toxic to fish.

Hydramethylnon, the active ingredient, is likely to be harmful to algae and harmless to aquatic invertebrates, birds, and honeybees.

**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:**

For disposal, remove the used bait from the bait cartridge, wrap in paper and place in trash can.

**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****Subterfuge® termite bait****EPA Reg. No. 241-371****KEEP OUT OF REACH OF CHILDREN****CAUTION****BASF Corporation**

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