

**MATERIAL SAFETY DATA SHEET**  
**PROBAIT™ FORMULATION FOR PROFESSIONALS**

**Manufacturer:** Wellmark International  
**Address:** 1501 E. Woodfield Rd., Suite 200-West, Schaumburg, IL 60173  
**Emergency Phone:** 1-800-248-7763  
**Transportation Emergency Phone:** CHEMTREC: 1-800-424-9300

**1. CHEMICAL PRODUCT INFORMATION**

**Product Name:** ProBait™ Formulation for Professionals  
**Chemical Name/Synonym:** Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone;Hydramethylnon  
**Chemical Family:** Amidinohydrazone  
**Formula:** C<sub>25</sub>H<sub>24</sub>N<sub>4</sub>F<sub>6</sub>  
**EPA Registration No.:** 73342-1-2724  
**RF Number:** RF2011

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
Hydramethylnon	067485-29-4	0.73%	1.4mg/m>3< (TWA)
Inerts		99.27%	
Section 313 Toxic Chemical Reference: Hydramethylnon American Cyanamid – 1986			

**3. HAZARD INFORMATION**

**PRECAUTIONARY STATEMENTS**  
**CAUTION!**  
**KEEP OUT OF THE REACH OF CHILDREN**

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

No known health conditions are aggravated by exposure to this product.

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

**ACUTE TOXICITY**                    Oral:    No specific hazard identified.  
   Dermal:    No specific hazard identified.  
   Inhalation:    No specific hazard identified.

## OTHER TOXICOLOGICAL INFORMATION

**Skin Irritation:** Avoid contact with skin. May cause mild irritation.

**Eye Irritation:** Not irritating.

**Sensitizer:** Hydramethylnon is not a sensitizer.

## 4. FIRST AID MEASURES

**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 Particulate Solid.

**Flash Point:** > 220°F (104°C) Setaflash (c.cup).

**Explosive Limits (% of Volume):** Not available.

**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:** Organic dusts may form explosive dust/air mixtures. Class St 1 dust explosion 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:** Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Remove PPE immediately after handling product. As soon as possible, wash thoroughly and change into clean clothing.

**Storage:** Do not contaminate water, food or feed by storage. Store in a cool, dry, secure place and keep container tightly closed. Store away from pets. . 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:** Applicators and other handlers must wear: Long-sleeve shirt and long pants, socks and shoes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odor:** Yellow-tan, free flowing granules having an odor characteristic of vegetable oil.
- Boiling Point:** Not available.
- Melting Point:** Not available.
- Vapor Pressure (mm Hg):** Not available.
- Vapor Density (Air = 1):** Not available.
- Specific Gravity:** Not available.
- Solubility:** Insoluble.
- Evaporation Rate:** Not available.
- pH:** Not available.

## 10. STABILITY AND REACTIVITY

- Stability:** Stable.
- Reactivity:** Non-reactive.
- Incompatibility w/ Other Materials:** Not available.
- Decomposition Products:** Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen.
- Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

- Acute oral toxicity: LD50 >5000 mg/kg  
Acute dermal toxicity: LD50 >5000 mg/kg  
Acute inhalation toxicity [Specific to active ingredient]: 4-Hour LC50 = 2.9 mg/L  
Skin irritation: Mild irritant  
Eye irritation: Not an irritant

### CHRONIC TOXICITY/CARCINOGENICITY [Specific to Active Ingredient(s)]

In a chronic study of rats with hydramethylnon the only compound related effects observed were organ weight changes. The NOEL was determined to be 50 ppm.

OSHA, NTP, or IARC carcinogen: Not listed

### DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

In a 2-generation reproduction study with hydramethylnon in Sprague-Dawley rats, the NOEL for effects on male reproduction (testicular degeneration) was 25 ppm. No reproductive or developmental effects are expected at exposure levels associated with the use of this product.

### MUTAGENICITY [Specific to Active Ingredient(s)]

Hydramethylnon is not mutagenic.

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE [Active Ingredients Only]

- Hydrolysis:** Stable to hydrolysis at pH 5, 7, and 9.
- Photolysis:** Not determined.
- Soil half life:** Not determined.
- Water solubility:** Insoluble.

### ECOTOXICITY [Active Ingredients Only]

- Acute Toxicity:** Toxic to fish. Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing equipment washwaters. Do not apply when weather conditions favor drift from target areas.

## 13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

## 14. TRANSPORT INFORMATION

- DOT49CFR Description:** Not regulated.
- Freight Classification:** Insecticides, NOI other than poison NMFC item 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.*