

**MATERIAL SAFETY DATA SHEET**  
**MATRIX™ ROACH & ANT BAIT**

**Manufacturer:** Wellmark International  
**Address:** 1501 East Woodfield Road, 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:** Matrix™ Roach & Ant Bait  
**Chemical Name/Synonym:** Hydramethylnon; Tetrahydro-5,5-dimethyl-2(1H)-pyrimidone [3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone  
**Chemical Family:** Amidinohydrazone  
**Formula:** C<sub>25</sub>H<sub>24</sub>F<sub>6</sub>N<sub>4</sub>  
**EPA Registration No.:** 2724-498  
**RF Number:** RF2018

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
Hydramethylnon; Tetrahydro-5,5-dimethyl-2(1H)-pyrimidone [3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone	67485-29-4	2.15%	1.4 MG/M <sup>3</sup> (TWA)
Inert Ingredients		97.85%	

**3. HAZARD INFORMATION**

**PRECAUTIONARY STATEMENTS**  
**KEEP OUT OF REACH OF CHILDREN**  
**Do not apply to areas accessible to children or pets.**  
**CAUTION: May be harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Keep away from food, feedstuffs, and domestic water supplies.**

**CAUTION: SIGNS AND SYMPTOMS OF OVEREXPOSURE**

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

**ACUTE TOXICITY**

**Oral:** LD50 = 1,146 mg/kg body weight (technical material)

**Dermal:** LD50 = >2,000 mg/kg body weight (technical material)

**Inhalation:** LC50 (4-hour) = 2.9 mg/L (technical material)

## OTHER TOXICOLOGICAL INFORMATION

- Skin Irritation:** Not a skin irritant  
**Eye Irritation:** Moderate eye irritant  
**Sensitizer:** Not a known sensitizer

## 4. FIRST AID MEASURES

- Ingestion:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. . Product contains peanuts. If ingestion should occur and result in an allergic reaction, treat symptomatically.
- Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15-20 minutes.
- Eye:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth.
- Note to Physician** This product contains Peanut Butter. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

- NFPA Rating:** **Health: 0**                      **Fire: 0**                      **Reactivity: 0**
- Flammability Class:** Not applicable
- Flash Point:** Not applicable, (solid material).
- Explosive Limits (% of Volume):** Unknown
- Extinguishing Media:** Water fog, foam, CO2.
- Special Protective Equipment:** Use positive pressure self contained breathing apparatus and full protective equipment
- Fire Fighting Procedures:** Normal procedures. Do not allow water from fire fighting areas to enter sewers.
- Combustion Products:** None Known
- Unusual Fire/Explosion Hazards:** Toxic irritating gases may be formed above 160C (320F).

## 6. ACCIDENTAL RELEASE MEASURES

- Steps to be taken:** Sweep up and place in suitable container for disposal.
- Absorbents:** If in liquid form, use clay granules, sawdust, dirt or equivalent.
- Incompatibles:** Alkaline Materials

## 7. HANDLING AND STORAGE

- Handling:** Users should wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using toilet. Contaminated clothing should be washed before reuse.
- Storage:** Do not contaminate water, food or feed by storage. Store in original container out of the reach of children and pets. Do not store above 100° F for extended periods of time. If container is damaged or if a spill occurs, use product immediately or dispose of product and damaged container.

## 8. EXPOSURE CONTROL / PERSONAL MEASURES

- Exposure Limits:** Hydramethylnon 1.4 MG/M<sup>3</sup> (TWA)
- Ventilation:** Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.
- Personal Protective Equipment:** Applicators and other handlers must wear long sleeved shirt and long pants, water proof gloves and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odor:** Light brownish to yellow semi solid with peanut butter odor
- Boiling Point:** Not applicable
- Melting Point:** Not applicable
- Vapor Pressure (mm Hg):** Not applicable
- Vapor Density (Air = 1):** Not applicable
- Specific Gravity:** 1.11
- Bulk Density:** 9.2 pounds per gallon
- Solubility:** Not soluble in water
- Evaporation Rate:** Not volatile
- pH:** Not soluble in water

## 10. STABILITY AND REACTIVITY

- Stability:** Stable
- Reactivity:** Not reactive
- Incompatibility w/ Other Materials:** None
- Decomposition Products:** Combustion may produce hydrogen fluoride and oxides of carbon and nitrogen.
- Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### **CHRONIC TOXICITY [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.

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

In a 2-generation reproduction study with hydramethylnon in Sprauge-Dawley rats, the NOEL for effects on male reproduction 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:** This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by disposal.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of according to use directions or at an approved waste disposal facility.

Container Disposal: Wrap used container and place in trash can.

## 14. TRANSPORT INFORMATION

- DOT49CFR Description:** Not Regulated
- Freight Classification:** *Insecticides N.O.I. O/T Poison NMFC 102120 Class 60*

## 15. REGULATORY INFORMATION

- CERCLA (Superfund):** Not Regulated
- RCRA:** Not Regulated
- SARA 313:** Yes (hydramethylnon)

### SARA 311/312 HAZARD CATEGORIES

- Immediate Health:** Yes
- 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.*