



## MATERIAL SAFETY DATA SHEET

Date of issue: June 2008

Nip-It™ Ant Bait

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### 1. PRODUCT AND COMPANY IDENTIFICATION:

**Product name:** Nip-It™ Ant Control

**Product description:** A Ready-to-Use granular ant bait containing 1 % hydramethylnon.

**Company identification:**  
Prinswer Manufacturing CC  
78 Twin Palm St  
Rhino Ridge  
The Wilds  
Pretoria

**Co. Reg. No.:** 2006/095395/23

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**Email:** [bbouwer@cpro.co.za](mailto:bbouwer@cpro.co.za)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

**Chemical name (IUPAC):** 5,5-dimethylperhydropyrimidin-2-one 4 -trifluoro- $\alpha$ -(4-trifluoromethylstyryl) cinnamylidenehydrazone

**Common name:** hydramethylnon

**CAS No.:** 67485-29-4

### 3. HAZARD IDENTIFICATION:

**Main hazards:** Harmful to fish and aquatic invertebrates.

#### Adverse health effects:-

Acute Ingestion: Relatively non-toxic after a single ingestion.

Eye contact: May cause slight but temporary irritation to the eyes.

Skin contact: Slightly irritating to skin.

Inhalation: Not a hazard if used according to label directions.

### 4. FIRST AID MEASURES:

**Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention.

**Eye contact:** Hold eye open and rinse gently with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes. Seek medical attention if irritation occurs.

**Skin contact:** Wash skin with plenty of soap and water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air.

**Advice to Physician:** No specific antidote. Appropriate supportive and symptomatic treatment, as indicated by the patient's condition, is recommended.

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### 5. FIRE-FIGHTING MEASURES:

**Specific hazards:** Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen. Airborne dust may create an explosion hazard.

**Suitable extinguishing media:** Water, foam, carbon dioxide, dry chemical. Avoid heavy water streams and use as little water as possible.

**Protective clothing:** Wear self-contained, positive pressure breathing apparatus and full fire-fighting protective clothing.

**Emergency actions:** Cool closed containers exposed to fire with water spray. Contain contaminated water/firefighting water and do not allow run-off to enter drains or waterways.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Clear area of unauthorized personnel. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable protective clothing and equipment. Avoid contact with spilled product or contaminated surfaces.

**Spills:** Shovel or sweep spilled material into properly labeled and tightly closed containers for proper disposal. Rinse the spill area and any tools or implements several times. Contain and absorb this rinsate with inert absorbents and place into the same container. Spills to the soil can be shoveled directly into the same container for disposal.

**Environmental precautions:** Do not discharge contaminated run-off into drains, ground or surface water. Avoid contaminating the soil. If the spill occurred to a body of water, notify the appropriate authorities downstream of the spill so they can decide what if any further action is needed.

**Waste Disposal Procedures:** Dispose of waste in accordance with local legislation.

### 7. HANDLING AND STORAGE:

**Suitable material:** Glass; plastic.

**Handling/storage precautions:** Store closed, in original container, in a cool, dry place away from food, feed, and other chemicals. Maintain adequate-ventilation and keep away from heat and ignition sources. Protect containers from physical damage. See also **EXPOSURE CONTROLS/PERSONAL PROTECTION**.

**Special Precautions:** Store out of reach of children uninformed persons and animals.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Engineering control measures:** 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<sup>3</sup>, 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<sup>3</sup> wear an approved pesticide respirator. In operations where there is a risk of accidental exposure to dust, wear dust-proof goggles, overalls, and gloves. Remove contaminated clothing/equipment, wash before re-use. Continued overleaf on page 3/.....

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**PERSONAL PROTECTION** continued

**Hands** – Chemical resistant nitrile gloves.

**Eyes** – Tightly fitting safety goggles.

**Body Protection** – Wear long-sleeved shirt and long trousers and shoes plus socks.

**General Protection:** Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). In the absence of special instructions, wash with detergent and warm water. Keep and wash PPE separately from other laundry.

**End-users** should use the recommended protective equipment as prescribed by the product label and adhere to the directions for use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:** Light brown granules

**Solubility – water:** Insoluble

**Odour:** Slight maize odour

**Solubility – solvents:** Unknown

**Bulk density:** 0,39 g/ml

**pH:** 6,8

### 10. STABILITY AND REACTIVITY:

**Conditions to avoid:** Excessive moisture, extremes of temperature and direct sunlight. Avoid all sources of ignition and electro-static discharge.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous Reactions:** Stable under normal conditions of storage and handling.

**Hazardous Decomposition Products:** Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen.

**Corrosion to metals:** Not anticipated.

### 11. TOXICOLOGICAL INFORMATION:

**Acute toxicity:**

**Oral:** LD50/rat > 80 000 mg/kg

**Dermal rabbit:** > 200 000 mg/kg

**Skin irritation:** Rabbit – mildly irritating.

**Eye irritation:** Rabbit – no eye irritation

**Sensitisation:** Guinea pig – non-sensitising.

**Chronic toxicity:** Hydramethylnon caused testicular and/or lung effects in chronic studies in mice, rats and dogs. Continued overleaf on page 4/...

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### TOXICOLOGICAL INFORMATION continued

**Developmental Toxicity:** Hydramethylnon was not a primary developmental toxicant in rats and rabbits. Developmental effects were observed but were considered secondary to maternal toxicity.

**Mutagenicity:** Hydramethylnon was not mutagenic or genotoxic in a battery of *in vitro* and *in vivo* tests.

**Carcinogenicity:** Hydramethylnon is listed as a possible carcinogen as it caused lung tumours in mice. It had no effect on rats.

### 12. ECOLOGICAL INFORMATION:

**The ecological data given are those of the active ingredient:**

**Aquatic toxicity – fish:** Acute and prolonged toxicity to fish. Rainbow trout LC50 (96 h) 0,16 mg/ℓ

**Aquatic toxicity – Daphnia:** Acute toxicity to aquatic invertebrates EC50 (48 h) 1.14 µg/ℓ

**Aquatic toxicity – algae:** EC50 1,4 µg/ℓ

**Other terrestrial non-mammals:** Bobwhite quail – LC50 1 828 mg/kg. Bees – LD50 68 µg/bee.

**Biodegradability:** - DT50 – 45 days in soil and 10 – 11 days in water over a pH range of 7,0 – 8,9.

### 13. DISPOSAL CONSIDERATIONS:

**Adhere to State and local disposal regulations.**

**Disposal methods:** Place waste/ spills in properly labeled, sealed containers and dispose of at a proper disposal facility.

**Disposal of packaging:** Destroy the empty container and do not re-use for any other purpose.

### 14. TRANSPORT INFORMATION:

**UN No.:** Not allocated.

**Dangerous goods class:** N/A

**Subsidiary risk:** N/A

### 15. REGULATORY INFORMATION:

**EC hazard classification:** Not classified

**Risk phrases:** R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S2 Keep out of reach of children. S13 Keep away from food, drink and feed. S20/21 When using, do not eat, drink or smoke.

**National legislation:** Act No. 36 of 1947.

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**16. Other Information:**

None

**17. Exclusion of Liability:**

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