

SAFETY DATA SHEET

**Product: Nip-It™ Ant Control
version 4**

Date issued: June 2008

Updated: July 2020

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1. PRODUCT AND COMPANY IDENTIFICATION:

Identification of the product:

Product name: Nip-It™ Ant Control - Registration No. L8579
Uses: Insecticide – ready-to-use granular ant bait containing 1 % hydramethylnon.
Active ingredient: Hydramethylnon – 10.0 g/kg

Company identification:

Registration holder:
Prinswer Manufacturing cc
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Product Information: 0861-77-68-35

PROTEK Helpline

Emergency Poisoning Information: 082 446 8946 (24 hours)

Griffon Poison Information Centre

2. PRODUCT HAZARD IDENTIFICATION:

Main hazards: The active ingredient hydramethylnon is harmful to fish and aquatic invertebrates. **Nip-It™ Ant Control** is not classified as hazardous due to the low concentration of hydramethylnon present in the bait. However, normal safety precautions for handling chemicals must be observed and the label directions followed.

Adverse health effects technical hydramethylnon:

Eye contact: May cause slight but temporary irritation to the eyes - a.i. Primary eye irritation Toxicity Category III.

Skin contact: Slightly irritating to skin; not a skin sensitizer - a.i. Acute dermal Toxicity Category III and Primary skin irritation Toxicity Category IV.

Ingestion: Relatively non-toxic after a single ingestion - a.i. Acute oral Toxicity Category III

Inhalation: Not a hazard if used according to label directions. a.i. - Acute inhalation Toxicity Category IV.

Vapour inhalation: Decomposes in a fire to emit toxic fumes.

3. COMPOSITION:

Active Ingredient:

Chemical name:	hydramethylnon	Chemical family:	Amidinohydrazone
Empirical formula:	C ₂₅ H ₂₄ F ₆ N ₄	Cas No.:	67485-29-4
IUPAC name:	5,5-dimethylperhydropyrimidin-2-one 4 -trifluoro- α -(4-trifluoromethylstyryl) cinnamylidenehydrazone		

Inert Ingredients:

Proprietary non hazardous ingredients.

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4. FIRST AID MEASURES:

General Advice:	Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If feeling unwell obtain medical attention. Show container, label and/or safety data sheet.
Eyes:	Wash eyes with plenty of clean, cold water for at least 15 minutes. If symptoms persist, seek medical advice.
Skin:	Remove contaminated clothing. Rinse the affected skin area with plenty of water and soap. Do not rub skin hard.
Ingestion:	If a large volume of bait is swallowed, do not induce vomiting. Wash mouth out with plenty of water. Never give anything by mouth to an unconscious person. Take patient to a doctor or hospital and show the SDS or the product label.
Note to physician:	There is no specific antidote. Treat symptomatically and supportively as indicated by the patient's condition.

5. FIRE FIGHTING MEASURES:

Extinguishing media:	CO ₂ and dry powder for small fires and foam or water fog for larger fires. (DO NOT use a solid water stream as it may scatter and spread the fire).
Special hazards:	Decomposes in a fire to emit toxic fumes. Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen. Airborne dust may create an explosion hazard.
Protective clothing:	Personnel involved in a fire situation with this material should wear self-contained breathing apparatus and full fire-fighting, protective clothing. No unprotected person should be allowed in the vicinity.
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 unauthorised 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.
Small and large spills:	Contain and shovel or sweep spilled material into secure, properly labeled, sealable containers for proper disposal. Rinse the spill area and any tools or implements several times with cold water and a surfactant/detergent. Contain and absorb this rinsate with inert absorbents and place into the same container. Spills to the soil can be shoveled directly into the container for disposal. In the case of spillage in water, use barrier devices to prevent dispersion of the product.
Environmental precautions:	Prevent further spillage if safe to do so. Contaminated area should be washed down with cold water and a surfactant/detergent. Do not flush waste water into surface water or sanitary sewer system. Contact the competent authorities if the situation cannot be controlled.
Waste Disposal:	Dispose of waste in accordance with national/local legislation. Refer to Section 13 DISPOSAL CONSIDERATIONS:

7. HANDLING AND STORAGE

Suitable material:	Glass or plastic.
Storage precautions:	Store under lock and key, away from children, uninformed persons and animals. Store in original, sealed container in a cool, dry place out of direct sunlight. Store away from food, feed, eating utensils and drinking water.

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Handling and Storage continued.....

Handling precautions: Maintain adequate ventilation and keep away from heat and ignition sources. Protect containers from physical damage.
Do not eat, drink or smoke during application. Adhere to directions for use on the label. Wash hands after use or accidental skin contact.

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/m³, 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/m³ 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 and wash before re-use

General: 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

Personal protection: No special equipment, apart from gloves, is usually needed when occasionally handling small quantities. Avoid contact with the skin, eyes and clothing. Do not eat, drink or smoke whilst applying the bait. Wash hands after use or accidental skin contact.

Respiratory protection: When handling this material in an emergency, effective respiratory protection must be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: granules
Colour: light brown
Odour: slight maize odour
Bulk density: 0,39 g/ml
Solubility (water): Insoluble
Solubility (solvents): Unknown
pH: 6.8

10. STABILITY AND REACTIVITY

Stability: Stable for a minimum of two years under normal storage conditions.

Hazardous decomposition products: None expected to be formed if stored and handled as prescribed. Toxic gases may be formed in the event of a fire.

Conditions to avoid: Excessive moisture, extremes of temperature and direct sunlight.
All sources of ignition and electro-static discharge.
Contact with residual insecticide sprays and dusts which will render the bait ineffective.

Hazardous Reactions: Stable under normal conditions of storage and handling.
Polymerisation will not occur.

Incompatible materials: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: (formulation calculated)	Rat acute oral LD ₅₀ > 80 000 mg/kg Rabbit dermal LD ₅₀ > 200 000 mg/kg
Skin irritation:	Rabbit – mildly irritating
Eye irritation:	Rabbit – no eye irritation
Sensitisation:	Guinea pig – non-sensitising.

Toxicity of technical hydramethylnon:

Carcinogenicity:	Listed as a Group C, possible human carcinogen (there is limited evidence that it can cause cancer in mice but there is inadequate or no evidence that it may cause cancer in humans).
Mutagenicity:	Not mutagenic or genotoxic in a battery of <i>in vitro</i> and <i>in vivo</i> tests.
Teratogenicity:	No teratogenic effects were found at any dose level tested in albino rats. However, at the dose level of 30 mg/kg/day (highest dose tested), hydramethylnon produce both maternal and embryotoxic effects.
Reproductive toxicity:	Common exposure levels of hydramethylnon are unlikely to contribute to any adverse reproductive effects in humans.
Developmental Toxicity:	Hydramethylnon was not a primary developmental toxicant in rats and rabbits. Developmental effects were observed but were considered secondary to maternal toxicity.

12. ECOLOGICAL INFORMATION

The ecological data given are those of the active ingredient:

Toxicity mammals:	Slightly toxic to small mammals LD ₅₀ 817 1130 mg/kg
Toxicity to birds:	Slightly toxic to practically non-toxic - LD ₅₀ > 2510 mg/kg mallard ducks; 1828 bobwhite quail
Aquatic toxicity:	Moderately to highly toxic to aquatic organisms. Fish: LC ₅₀ (96 h) mg/ℓ 0,16 rainbow trout Daphnia: Acute 48 hour EC ₅₀ 1.14 µg/ℓ Algae: Acute 72 hour EC ₅₀ growth mg/ℓ 0.018
Toxicity to bees:	Practically non-toxic topically; contact acute 48 hour LD ₅₀ µg/bee > 30.
Bio-accumulation:	Low potential for bio-accumulation (calculated).
Persistence in soil:	Non persistent DT ₅₀ 7 – 10 days
Persistence in water:	Aqueous photolysis pH 7.0 DT ₅₀ < 1 hour; aqueous hydrolysis 10 days in water at pH of 7.0
Ground or surface water:	It is not expected to leach from the soil and reach the ground water since it is insoluble in water and adsorbs to soil.

13. DISPOSAL CONSIDERATIONS:

Pesticide disposal:	Pesticide wastes can be acutely hazardous. Improper disposal of excess pesticide and/or contaminated absorbents must be avoided. Never pour surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate water, food or feed. Only approved collection schemes should be used to dispose of waste pesticides. Ideally small amounts of the product that are still in a usable condition should be disposed of by using for its intended purpose. For disposal of large amounts use an approved waste disposal contractor. Comply with all national/local legislation applying to waste disposal. Refer to GUIDELINES FOR THE LEGAL DISPOSAL OF OBSOLETE PESTICIDES www.croplife.co.za .
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Disposal Considerations continued.....

Disposal of empty packaging: Empty containers contain product residues; they may not be buried or burned on any premises. Rinse the empty container three times with a volume of water equal to a minimum of 30 % of that of the container. Dispose of the wash water where it will not contaminate the environment. Puncture and flatten the empty container to render it unusable. The triple-rinsed container may be sent to an approved recycling company.
Do not re-use the container for any other purpose.

14. TRANSPORT INFORMATION

UN No. Not regulated
ADR/RID: Not classified as dangerous goods.
IATA-DGR: Not classified as dangerous goods.
IMDG: Not classified as dangerous goods.

15. REGULATORY INFORMATION:

Risk phrases: **R52/53** Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment (active ingredient).
Safety phrases: **S 1/2** Keep locked up and out of the reach of children.
S3/9/49 Keep only in original container in a cool, well ventilated place
S13 Keep away from food, drink and animal feed
S20/21 When using do not eat, drink or smoke.
S37 Wear suitable gloves
National Legislation: Occupational Health and Safety Act No. 85 of 1993 (amended 2002).
Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act No. 36 of 1947 as amended. Registration No. **L8579**, Republic of South Africa.

16. OTHER INFORMATION:

Exclusion of liability:

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. **PRINSWER MANUFACTURING c.c.** provides no warranties, express or implied, and assumes no responsibility for the accuracy and completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all the data relevant to their use.