MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: GRANT'S KILLS ANTS GRANT'S ANT CONTROL A
IDENTIFICATION SYNONYMS: Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone
[3-[4(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone; Hydramethylnon
CHEMICAL FAMILY: Amidinohydrazone
MOLECULAR FORMULA: C<25>H<25>N<4>F<6>
MOLECULAR WEIGHT: 494.500
USAGE: Insecticide

WARNING STATEMENTS
CAUTION!
KEEP OUT OF REACH OF CHILDREN.
AVOID ANY PROLONGED CONTACT TO SKIN OR EYES.

INGREDIENTS COMPONENT CAS. NO. PEL/TLV
*Hydramethylnon 067485-29-4 1.00% 1.4 mg/m³<3< (TWA)
Inerts 99.00%

*Section 313 Toxic Chemical
REFERENCE: Hydramethylnon CAS. NO. 067485-29-4

PHYSICAL PROPERTIES
APPEARANCE: Semi-solid (gelatinous)
ODOR: None
BOILING POINT: Not Applicable
MELTING POINT: Not Applicable
VAPOR PRESSURE: Not Applicable
BULK DENSITY: 1.365 g/ml
VAPOR DENSITY: Not Applicable
% VOLATILITY (BY VOL.): Not Applicable
OCTANOL / H<2>0
PARTITION COEF: Not Applicable
pH: Not Applicable
SATURATION IN
AIR (BY VOL.): Not Applicable
EVAPORATION RATE: Not Applicable
SOLUBILITY IN WATER: Insoluble
<table>
<thead>
<tr>
<th>FIRE AND EXPLOSION HAZARD INFORMATION</th>
<th>FLASH POINT:</th>
<th>Not Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABLE LIMITS (%) BY VOL.:</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>AUTOIGNITION TEMP:</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>DECOMPOSITION TEMP:</td>
<td>Not Available</td>
<td></td>
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<tr>
<td>FIRE EXTINGUISHING MEDIA:</td>
<td>Use water fog, foam, carbon dioxide, or dry chemical, to extinguish fires.</td>
<td></td>
</tr>
<tr>
<td>FIRE CONTROL TACTICS:</td>
<td>Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>REACTIVITY DATA</th>
<th>STABILITY:</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYMERIZATION:</td>
<td>Will not occur</td>
<td></td>
</tr>
<tr>
<td>INCOMPATIBLE MATERIALS:</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION PRODUCTS:</td>
<td>Burning may yield carbon monoxide</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>HEALTH HAZARD INFORMATION</th>
<th>TOXICITY DATA AND EFFECTS OF OVEREXPOSURE: ACUTE TOXICITY DATA (.73% A.I.):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The acute oral LD&lt;50&gt; in both male and female rats is greater than 5000 mg/kg indicating that this product is practically non-toxic by ingestion in single doses.</td>
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<tr>
<td></td>
<td>The acute dermal LD&lt;50&gt; in both male and female rabbits is greater than 2000 mg/kg indicating this product is no more than slightly toxic by single skin applications.</td>
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<tr>
<td></td>
<td>This product is mildly irritating to the rabbit skin but is not irritating to the rabbit eye.</td>
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<tr>
<td></td>
<td>Hydramethylnon, the active ingredient in this product, is not listed as a carcinogen By OSHA, IARC or NTP.</td>
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</tbody>
</table>

EMERGENCY AND FIRST AID PROCEDURES:
**<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.
**<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 do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
**<IF ON SKIN>:** 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 the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

NOTES TO PHYSICIAN:
There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.
EXPOSURE CONTROL METHODS

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 (TWA<8>, 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 a NIOSH approved pesticide respirator. In operations where there is a risk of accidental exposure to eyes, wear dust proof goggles, overalls, and gloves.
Remove contaminated clothing/equipment, wash before reuse.
For end users, use the recommended protective / equipment as prescribed by product label.

SPILL OR LEAK PROCEDURES

Wear appropriate protective clothing and personal protective equipment. (See “Exposure Control”.) Keep away from drains, surface and ground water, and soil.
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.
Shovel or sweep the spilled material into covered containers for proper disposal. (See “Waste Disposal”.) If possible, reuse the material for its intended purpose.
Rinse the spill area and any tools or implements several times with soapy water.
Contain and absorb this rinsate with inert absorbents and place into the same covered container as the spilled material. Spills to the soil can be shoveled directly into covered containers for disposal. If the spill occurred to a body of water, notify the appropriate authorities downstream of the spill so that they can decide what if any further action is needed.
Depending on local spill reporting requirements and the amount released to the environment, it may be necessary to notify the regulatory authorities.

WASTE DISPOSAL:

To avoid disposal, all attempts should be made to use this product completely, in accordance with its registered use. If this is not possible, handle with care and dispose in a safe manner. Keep all sources of ignition away and avoid creating dusty conditions when handling this product. If heavy dusting cannot be avoided, ground all equipment. Empty containers or liners may retain some product residues. DO NOT REUSE. Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinsate in a safe manner. Follow all applicable community, national or regional regulations regarding waste management methods.

SPECIAL PRECAUTIONS

HANDLING AND STORAGE:
This product is toxic to fish. Do not apply directly to lakes, ponds, or streams. This product may be an attractant to pets and rodents. Store in a secure place. Keep pets away from treated areas for at least 24 hours after application.
STORAGE: STORE IN A COOL, DRY, SECURE PLACE AND KEEP CONTAINER TIGHTLY CLOSED. This product is formulated in an oil bait that functions as an attractant to ants. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. USE WITHIN 3 MONTHS AFTER OPENING CONTAINER.
Maintain good housekeeping to control dust accumulations. Due to dust explosion hazard, all processing equipment should have explosion venting per NFPA 68-1978. All electrical wiring and equipment should meet the provisions of NFPA - 70. Do not contaminate water, food, or feed by storage or disposal. Store in a secure, dry, well-ventilated separate room, building or covered area. Keep away from sources of ignition and protect from exposure to fire and heat. Segregate from oxidizers and incompatible materials listed in the Reactivity Data section.

**ADDITIONAL REGULATORY INFORMATION**

**SARA Title III Data**

<table>
<thead>
<tr>
<th>Section 311 and 312 Hazard Categories</th>
<th>Reactive Hazard – N</th>
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</thead>
<tbody>
<tr>
<td>Immediate Health Hazard – Y</td>
<td>Sudden Pressure – N</td>
</tr>
<tr>
<td>Delayed Health Hazard – N</td>
<td>Release Hazard</td>
</tr>
</tbody>
</table>

Fire Hazard – N
Section 302 Extremely Hazardous Substances – None
Section 313 Toxic Chemicals – Hydramethylnon

**CERCLA Reportable Quantity**

GRANT'S ANT CONTROL A – None known

**RCRA Hazardous Waste Code(s) and Statement(s)**

GRANT'S ANT CONTROL A – None known

It is the responsibility of the waste generator to determine at the time of disposal whether this material meets any hazardous waste criteria.

**APPENDIX**

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**