



ANT & SPIDER KILLER

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MATERIAL SAFETY DATA SHEET

CAS NO. 1327-53-3
DATE: Oct. 15, 2003

EMERGENCY TELEPHONE:

1. PRODUCT IDENTIFICATION TRADE NAME: GRANT'S KILLS ANTS® ANT & SPIDER KILLER
SYNONYMS:
CHEMICAL FAMILY: Mixture; a.i.'s, tetramethrin, permethrin, piperonyl butoxide
USAGE: Broad spectrum insecticide for indoor and outdoor household and commercial use in non-food/feed areas. Highly effective against many pest species including ants, carpenter ants, fire ants, bees, wasps, beetles, cockroaches, crickets, fleas, ticks and spiders.

2. INGREDIENTS	COMPONENT	CAS. NO.	Wt. %	PEL/TLV
	Tetramethrin	7696-12-0	0.1	none established
	Permethrin	52645-53-1	0.25	none established
	Piperonyl Butoxide	51-03-6	0.5	none established
	Aliphatic petroleum distillate	64742-88-7	>5	none established
	Isobutane	75-28-5	>20	none established
	Propane	74-98-6	>5	1,000 ppm (PEL)
	Other (non-hazardous) Ingredients		>60	

3. HAZARDS IDENTIFICATION CAUTION
KEEP OUT OF REACH OF CHILDREN.

TOXIC TO FISH

CONTENTS UNDER PRESSURE

POTENTIAL HEALTH EFFECTS
Acute Toxicity (Primary Routes of Exposure): Inhalation and skin contact.
Signs & Symptoms of Systemic Effects: Based on animal studies, symptoms of overexposure to this product include diarrhea, yellow nasal discharge, and activity decrease.
Eye: Slightly irritating.
Skin: Slightly irritating.
Ingestion: Not expected route of exposure for an aerosol product.
Inhalation: Slightly irritating.

4. FIRST AID MEASURES	<p>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.</p> <p>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.</p> <p>INHALATION: 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.</p>
5. FIRE AND EXPLOSION HAZARD INFORMATION	<p>FLASH POINT: Negative METHOD: TCC</p> <p>FLAMMABLE LIMITS (% BY VOL.): N/A</p> <p>FIRE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, or Water</p> <p>COMBUSTIBLE. CONTENTS UNDER PRESSURE. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.</p> <p>FIRE CONTROL TACTICS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.</p> <p>HAZARDOUS COMBUSTION PRODUCTS: May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, etc.</p>
6. SPILL OR LEAK PROCEDURES	<p>OBSERVE PRECAUTIONS IN EXPOSURE CONTROL (SECTION 7). Stop the source of spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water.</p> <p>CONTAINMENT: Contain spill with absorbent material. Do not allow spill material to enter any body of water.</p> <p>CLEANUP: If can is punctured or leaking, soak up liquid with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. and dispose of in trash.</p>
7. EXPOSURE CONTROL METHODS	<p>EYE PROTECTION: Not required with normal use.</p> <p>RESPIRATION/VENTILATION: Use in a well ventilated area.</p> <p>SKIN PROTECTION: Not required with normal use.</p> <p>OTHER/GENERAL PROTECTION: None.</p>

8. HANDLING AND STORAGE	HANDLING PRECAUTIONS: Avoid contact with skin, eyes or clothing. Do not use near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.	
	STORAGE PRECAUTIONS: Do not store near heat or open flame. Store in a cool, dry area away from children. Do not transport or store below 32°F.	
	WORK/HYGENIC PRACTICES: Wash thoroughly with soap and water after handling.	
9. PHYSICAL PROPERTIES	APPEARANCE: ODOR: MELTING POINT: DENSITY: SPECIFIC GRAVITY: PH: CORROSION CHARACTERISTICS: PHYSICAL STATE: VISCOSITY:	Off-white liquid (aerosol) of solvent, similar to mineral spirits N/A 8.11 lbs/gal 0.97 @ 20°C 7.1 @ 21°C non corrosive liquid 1160 CP @ 21°C
10. STABILITY AND REACTIVITY	STABILITY: Stable. CONDITIONS TO AVOID: Avoid placing near high temperature. POLYMERIZATION: Will not occur. INCOMPATIBILITY: None known. HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, etc. OXIDATION/REDUCTION PROPERTIES: Product does not have the potential to act as a strong oxidizing or reducing agent.	
11. TOXICOLOGICAL INFORMATION	ACUTE (Product Specific) <u>Eye Irritation (rabbit):</u> slightly irritating <u>Skin Irritation (rabbit):</u> slightly irritating <u>Dermal Toxicity LD₅₀ (rabbit):</u> >5,000 mg/kg <u>Oral Toxicity LD₅₀ (rat):</u> >5,000 mg/kg <u>Inhalation Toxicity LC₅₀ (rat):</u> >5.30 mg/l <u>Skin Sensitization (guinea pig):</u> non-sensitizer	
	TOXICITY OF TETRAMETHRIN, PERMETHRIN, PIPERONYL BUTOXIDE <u>Chronic/Carcinogenicity:</u> A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks. A statistically significant increase in the number of benign liver tumors appeared in mice fed piperonyl butoxide technical at doses which far exceed any anticipated daily human intake. Independent and industry toxicological experts who have reviewed the data agree that the findings of the study do not indicate a health risk to human beings.	
	CARCINOGENICITY: NTP: No IARC: No OSHA: No	

12. ECOLOGICAL INFORMATION	ACUTE & LONG-TERM TOXICITY TO FISH AND INVERTEBRATES This product is toxic to fish.												
	OTHER ENVIRONMENTAL INFORMATION Do not apply to water. Do not contaminate water by disposal of wastes.												
13. DISPOSAL CONSIDERATIONS	PESTICIDE DISPOSAL: <i>If partly filled</i> – Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. CONTAINER DISPOSAL: Do not incinerate or puncture. <i>If empty</i> – Place in trash or offer for recycling if available.												
14. TRANSPORT INFORMATION	D.O.T. SHIPPING NAME: Consumer Commodity PROPER SHIPPING NAME: ORM-D OTHER TECHNICAL NAME: N/A RQ: N/A D.O.T. HAZARD CLASS: N/A U.N./N.A. NUMBER: N/A EXEMPTION REQUIREMENT: 49 CFR 173.306												
15. REGULATORY INFORMATION	REGULATIONS UNDER FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous materials. OTHER U.S. FEDERAL REGULATIONS: <u>SARA TITLE III.</u> This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and of 40 CFR 372: <table data-bbox="472 1262 1409 1398"> <thead> <tr> <th>CAS No.</th> <th>Ingredient Name</th> <th>% by Wt.</th> </tr> </thead> <tbody> <tr> <td>7696-12</td> <td>Tetramethrin</td> <td>0.1</td> </tr> <tr> <td>52645-53-1</td> <td>Permethrin</td> <td>0.25</td> </tr> <tr> <td>51-03-6</td> <td>Piperonyl butoxide</td> <td>0.5</td> </tr> </tbody> </table> <p>This information must be included on all MSDSs that are copied and distributed for this material.</p> <p>Regulated Ingredients <u>Ingredient: Tetramethrin</u> CAS No. 7696-12-0 Percent by Weight = 0.1 Regulations: SARA Section 313 Toxic Chemical</p> <p><u>Ingredient: Permethrin</u> CAS No. 52645-53-1 Percent by Weight = 0.25 Regulations: Massachusetts Hazardous Substance New Jersey Workplace Hazardous Substance SARA Section 313 Toxic Chemical</p>	CAS No.	Ingredient Name	% by Wt.	7696-12	Tetramethrin	0.1	52645-53-1	Permethrin	0.25	51-03-6	Piperonyl butoxide	0.5
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51-03-6	Piperonyl butoxide	0.5											

Ingredient: Piperonyl butoxide

CAS No. 51-03-6

Percent by Weight = 0.5

Regulations: SARA Section 313 Toxic Chemical

Ingredient: Isobutane

CAS No. 75-28-5

Percent by Weight >20

Regulations: Massachusetts Hazardous Substance
New Jersey Environmental Hazardous Substance
New Jersey Special Health Hazardous Substance
New Jersey Workplace Hazardous Substance
Pennsylvania Workplace Hazardous SubstanceIngredient: Propane

CAS No. 74-98-6

Percent by Weight >5

Regulations: Illinois Toxic Substance
Massachusetts Hazardous Substance
New Jersey Environmental Hazardous Substance
New Jersey Special Health Hazardous Substance
New Jersey Workplace Hazardous Substance
Pennsylvania Workplace Hazardous Substance**SARA III:** Acute Health Hazard
Fire Hazard
Sudden Release of PressureU.S. STATE REGULATORY INFORMATION: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities.

*RQ: Reportable Quantity

**RCRA waste codes must be determined on a case-by-case basis (i.e., spill, processing waste, etc.)

For information regarding potential adverse health effects from exposure to this product, refer to Sections 3 and 11.

16. OTHER INFORMATION	REASON FOR ISSUE:	New product development
	REVISION NUMBER:	0
	DATE OF ISSUE:	10/15/03
	SUPERSEDES DATE:	
	EPA REGISTRATION NO.:	1663-34
	HMIS HAZARD RATING:	Health: 1 slight Fire: 2 moderate Reactivity: 0 negligible Protection: B
	NFPA HAZARD RATING:	Health: 1 slight Fire: 2 moderate Reactivity: 0 negligible

NFPA RATINGS

Least – 0, Slight – 1, Moderate – 2, High – 3, Extreme – 4

These values are obtained using professional judgment.

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.