# MATERIAL SAFETY DATA SHEET

## GRO TEC, INC.

## P. O. BOX 290, MADISON, GA 30650

## PENNINGTON® KNOCK OUT BRAND Ant, Flea & Tick Killer

**March, 2004** 

**SECTION 1 - IDENTIFICATION OF PRODUCT**

| Chemtrec Transport Emergency | Non-Transportation Emergency | Poison Control Center |
|---|---|---|
| Telephone: 1-800-424-9300 | Pennington/Gro Tec: 706-342-1234 | Atlanta: 1-800-282-5846 |

**EPA Reg. Number:** **28293-329-59144**

| | |
|---|---|
| **CHEMICAL NAME:** | See Section 6 |
| **C.A.S. NAME:** | See Section 6 |
| **C.A.S. NUMBER:** | See Section 6 |
| **CHEMICAL FORMULA:** | See Section 6 |
| **MOLECULAR WEIGHT:** | N/A |
| **CHEMICAL FAMILY:** | Pyrethroid |
| **D.O.T. HAZARD CLASS:** | N/A – Not DOT regulated |
| **SHIPPING NAME:** | Insecticide Dry<br>Other than Agriculture N.O.I.B.N. |

**EMERGENCY OVERVIEW**

**Health:** Causes moderate eye irritation. **Environmental:** This product is extremely toxic to fish and may be hazardous to aquatic organisms in treated areas.

**SECTION 2 - PHYSICAL DATA**

| | | | |
|---|---|---|---|
| **ODOR:** | Xylene like | **APPEARANCE:** | granular solid |
| **COLOR (G-H):** | brown | **VAPOR PRESSURE:** | N/A |
| **FLASH POINT:** | >200° F | **VAPOR DENSITY:** | N/A |
| **BASIC PHYSICAL PROPERTIES:** | Solid granule | | |
| **BULK DENSITY:** | 26.36 lb./cu ft (fluffed)<br>29.04 lb./cu ft (compacted) | | |
| **SOLUBILITY ($H_2O$)** | Soluble | | |

**SECTION 3 - FIRE & EXPLOSION HAZARD DATA/ STABILITY AND REACTIVITY**

| | |
|---|---|
| **FLASH POINT (METHOD USED):** | >200˚ F |
| **FIRE EXTINGUISHING MEDIA:** | Carbon Dioxide, Dry chemical, Foam or Water |
| **SPECIAL PROCEDURES:** | As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. |
| **CHEMICAL STABILITY:** | Stable |
| **HAZARDOUS POLYMERIZATION:** | Will not occur. |

**SECTION 4 - HEALTH HAZARD DATA**

| | |
|---|---|
| **TOXICITY CATEGORY:** | "Caution" label required |
| **ORAL LD50:** | LD50 (rat) = >5000 mg/kg (practically non-toxic) ***Based on Similar Product*** |
| **DERMAL LD50:** | Rabbits LD50 >5,000 mg/kg (practically non-toxic)<br>Skin Effects (rabbit) Non-irritating<br>Sensitization (guinea pig): Non-sensitizing |
| **INHALATION LD50:** | Not applicable |
| **EYE EFFECTS:** | Eye Effects (rabbit) Non-irritating |
| **CARCINOGENIC:** | No known chronic effects expected from normal use of this product. |
| **ADDITIONAL COMMENTS:** | Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. |

## SECTION 5 - EMERGENCY & FIRST AID PROCEDURES

**If On Skin or Clothing:** 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.

**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.

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment.**

## SECTION 6 - HAZARDOUS COMPONENTS OF MIXTURES

| MATERIAL | Exposure Limits | PERCENT |
|---|---|---|
| Permethrin * (CAS #52645-53-1) | N/E | 0.50% |
| *(3-phenoxyphenyl) methyl (±) cis/trans-3-(2,2-dicholoroethenyl) 2,2-dimethylcylopropranecarboxylate Cis/trans ratio: min. 35% (±) cis and max 65% (±) trans. | | |
| Other Ingredients** | | 99.50% |

**Contains aromatic petroleum distillate
Carrier is peanut hulls

**SARA TITLE III – Section 313**

***This product contains the following toxic chemicals subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and of 40 CFR 372:***

| *CAS Number* | *Ingredient Name* | *Percent by Weight* |
|---|---|---|
| *52645-53-1* | *Permethrin* | *Min. 0.45 Max: 0.55%* |

**This information must be included on all MSDS(s) that are copies and distributed for this product.**

## SECTION 7 - SPECIAL PROTECTION

**EYE PROTECTION:** Safety glasses or goggles to avoid contact. Avoid contact with eyes.

**SKIN PROTECTION:** Chemical resistant gloves to avoid contact. Wash thoroughly with soap and water after handling and before smoking or eating.

**OTHER PRECAUTIONS:** Avoid contamination of feed and feedstuffs. Utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticides. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

**EFFECTS OF OVEREXPOSURE:** May produce skin sensations (feeling of numbing and tingling) in certain individuals.

## SECTION 8 – ECOLOGICAL INFORMATION

This product is extremely toxic to fish. Do not apply directly to water. Drifts and runoffs from treated area may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwater.

## SECTION 9 - SPILLAGE OR LEAKAGE PROCEDURES

Sweep up and dispose of with chemical waste.

## SECTION 10 – WASTE DISPOSAL METHODS/ STORAGE & HANDLING

**Handling:** Avoid contamination of feed and foodstuffs. Keep children and pets off treated areas until this material is washed into turf and grass is dry.

**Storage:** Store product in its original container in a cool, dry, locked place out of reach of children.

**Disposal**: **If empty** – Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled** – Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 11 - ADDITIONAL PRECAUTIONS AND OTHER INFORMATION

**READ AND FOLLOW LABEL PRECAUTIONS AND DIRECTIONS FOR USE.**

NFPA Hazard Rating Health = 1 (slight) Fire = 1 (slight) Reactivity = 0 (negligible) Protection: B
HMIS Hazard Rating Health = 1 (slight) Fire = 1 (slight) Reactivity = 0 (negligible) Special = --
SARA TITLE III – Hazard Classes Acute Health: Yes Chronic Health: No Fire Hazard: No
Sudden Release: No Reactivity Hazard: No
Section 302/304/ None
Section 313: Permethrin

## SECTION 12 - COMMENTS

The information contained herein is believed to be accurate whether originating with Gro Tec or not. Gro Tec provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data. Recipients are advised to confirm any data, in advance of need, that it is current, applicable and suitable to their circumstances.

**N/E = Not Established** **N/A = Not applicable**