HOME PEST CONTROL
PET & LIVESTOCK INSECT SPRAY
WITH .25% PERMETHRIN

Manufacturer's Name & Address
Southern Agricultural Insecticides, Inc.
P.O. Box 218, Palmetto, Fla. 33561
Phone: 1-941-722-3285
Chemtrec: 1-800-424-9300

I. IDENTIFICATION

Product Names: Home Pest Control Spray, Pet & Livestock Spray EPA Reg. No. 829-295
Chemical Name: N/A - Mixture, active ingredient, Permethrin
D.O.T. Class: Not Regulated by D.O.T.

II. INGREDIENTS

Permethrin CAS NUMBER: 52645-53-1 OSHA/ACGIH Limits:
EXPOSURE LIMITS: None established None established
OTHER INGREDIENTS: None established

III. HAZARDS IDENTIFICATION

Appearance/Odor: A milky white liquid with a mild aromatic odor. This product is extremely toxic to fish and aquatic invertebrates.

IV. FIRST AID MEASURES

EYES: Rinse with plenty of water and call a physician if irritation persists.
SKIN: Wash promptly with soap and water. Rinse thoroughly.
INGESTION: If large amounts were swallowed, give water to drink and get medical advice.
INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention if continued difficulty develops.

V. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES FLASH POINT: > 200F > 93c TCC
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water.
FIRE FIGHTING INSTRUCTIONS: 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.
FLAMMABILITY CLASSIFICATION/RATING: NFPA/OSHA Class: IIIB **NFPA Rating (Fire):** 1

VI. ACCIDENTAL RELEASE MEASURES

GENERAL AND DISPOSAL: Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the adverse effect of the spill. Ensure that the disposal is in compliance with all Federal, State/Provincial, and local regulations (See Section 13 for applicable RCRA Number). Refer to Section 15 for applicable Reportable Quantity (RQ) and other regulatory requirements.
LAND SPILL OR LEAK
Small Spills: Absorb with an inert absorbent material such as granular clay, saw dust, or pet litter. Sweep up carefully while avoiding the formation of a dust cloud. Place in an approved chemical waste container for disposal. Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.
Large Spills: Eliminate all ignition sources. Stop leak if you can do so without coming into contact with spilled material. Dike far ahead of liquid spill for later disposal. All equipment used to clean up spill should be grounded. Prevent entry into waterways sewers, basements or confined areas. Inform appropriate authorities immediately if contamination occurs. Contact Southern Agriculture for further assistance if necessary.

VII. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry. Do not use on dogs under twelve weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals.
STORAGE PRECAUTIONS: Do not contaminate water, food or feed by storage. Store upright at room temperature. Avoid exposure to extreme temperatures.
WORK/HYGIENIC PRACTICES: Wash thoroughly after handling and before smoking or eating.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

MANUFACTURING FORMULATION AND OTHER NON-AGRICULTURAL USES:
ENGINEERING CONTROLS: Control airborne concentrations below the appropriate exposure guideline (see Section 2 for applicable OSHA/ACGIH Exposure Limits). Local exhaust ventilation may be necessary.
EYE/FACE PROTECTION: Wear safety glasses, splash goggles or face shield.
SKIN PROTECTION: Wear chemical-resistant gloves (Neoprene, Nitrile, PVC) and other protective clothing to avoid skin contact.
RESPIRATORY PROTECTION: Ensure good ventilation. It riot adequate, use a chemical cartridge-type respirator approved by the National Institute of Occupational Health and Satety.
GENERAL PROTECTION: Eye wash facility and safety shower should be available.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: A milky white liquid.
ODOR: Mild aromatic.
BASIC PHYSICAL PROPERTIES
PHYSICAL STATE: Liquid pH: Neutral (6- 8)
PACKING (BULK) DENSITY: Not available
SPECIFIC GRAVITY OR DENSITY: 1. 00 @ 20°C
MELTING/FREEZING POINT RANGE: Not available
DUST EXPLOSION SEVERITY DATA: Not applicable
VAPOR PRESSURE: Not available
VAPOR DENSITY {AM= 1): Not available
BOILING POINT/RANGE: Not available
SOLUBILITY (IN WATER): Not available
MINIMUM IGNITION ENERGY {Mu): Not available
MINIMUM EXPLOSION CONCENTRATION (MEC): Not available
LIMITED OXYGEN CONCENTRATION (LOC): Not available
EVAPORATION RATE (BUTYL ACETATE=1)**:** Not available
SOLUBILITY IN SOLVENTS/OIL {SPECIFIED): Not available

X. STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.

XI. TOXICOLOGICAL INFORMATION

Acute toxicity data listed below was bridged from a similar product.
THE FOLLOWING DATA WERE DEVELOPED WITH: Permanone General Purpose Aqueous Insecticide (EPA Reg. No. 4816-696) which contains 0.5% permethrin
ACUTE TOXICITY: ORAL LD50 (rat): 5,050 mg/kg {practically non-toxic) **DERMAL LD50:** (rabbit) > 5,050 mg/kg (practically non-toxic) I**NHALATION LC50:** (rat, 4 hr): > 5. 78 ma/L {practically non-toxic) **EYE IRRITATION:** (rabbit): non-irritating {Max. Avg. Score = 3.0) **SKIN IRRITATION:** (rabbit): non-irritating (Primary Irr. Index = 0. 0) SKIN **SENSITIZATION:** (guinea pig): non-sensitizing
NOTE: The severity classifications listed above are those of AgrEvo, and, particularly for eye irritation, may not always coincide with EPA-mandated Precautionary Statements.
THE FOLLOWING DATA WAS DEVELOPED WITH: permethrin, the active ingredient
CHRONIC TOXICITY AND CARCINOGENICITY: 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.
REPRODUCTIVE AND DEVELOPMENTAL TOXICITY: Permethrin was not teratogenic when tested in rats.
MUTAGENICITY (GENETIC EFFECTS): Permethrin did not produce any mutagenic effects when tested in the Ames test.

XII. ECOLOGICAL INFORMATION
ENVIRONMENTAL PRECAUTIONS: This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

XIII. DISPOSAL CONSIDERATIONS
Do not contaminate water, food or feed by disposal.
Disposal: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.
RCRA INFORMATION RCRA HAZARDOUS WASTE INGREDIENTS: None

XIV. TRANSPORT INFORMATION
PROPER SHIPPING NAME: Not DOT Regulated. For transport purposes (49 CFR Part 173. 132), the calculated 1-Hour LC50 {Rat) is: > 20.72 mg/l.

XV. REGULATORY INFORMATION
U.S. FEDERAL REGULATORY INFORMATION: EPA Registration Number: **4816-756 TSCA Inventory:** registered pesticide, exempt from TSCA
CARCINOGENICITY: NTP: No **IARC:** No **OSHA:** No
SARA TITLE III SECTION 311/312 - HAZARD CLASSES:
Acute Health Hazard: Yes, No **Fire Hazard:** No
Sudden Release of Pressure Hazard: No **Reactivity Hazard:** No
SARA TITLE III - NOTIFICATIONS AND INFORMATION:
Section 302 {EMS) ingredients: None **Section 304 (CERCLA & EHS) ingredients (RQ):** None
SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION: 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:
CAS NUMBER INGREDIENT NAME PERCENT BY WEIGHT 52645-53-1 Permethrin = 0.25
This information must be included on all MSDSs that are copied and distributed for this material.
REGULATED INGREDIENTS INGREDIENT: Permethrin **CAS NUMBER:** 52645-53-1 **PERCENT BY WEIGHT:** = 0.25 **Regulations:** Massachusetts Hazardous Substance, New Jersey Workplace Hazardous Substance, SARA Section 313 Toxic Chemical.

XVI. OTHER INFORMATION
HMIS HAZARD RATING: - HEALTH: 1 Slight - FIRE: 1 Slight - REACTIVITY: 0 Negligible - PROTECTION: B
NIPS HAZARD RATING: - HEALTH: 1 Slight - FIRE: 1 Slight - REACTIVITY: 0 Negligible - SPECIAL:

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.