

**SUPER BUG BUSTER**

domestic liquid

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

AgrEvo Environmental Health, Inc. (Active manufacturers)

95 Chesnut Ridge Road

Montvale, NJ 07645

EMERGENCY TELEPHONE NUMBER

In case of medical environmental or transportation emergencies or inquiries, call 1-800-471-0660 (24 hours day).

For product use information, call: (800) 337-2657 (Days)

PRODUCT NAME: **BUGCON SUPER BUG BUSTER**

(PERMANOIVE® INSECT KILLER R4)

PRODUCT CODE: E72053

CHEMICAL NAME: Mixture; active ingredient. Permethrin

MSDS IDENTIFICATION CODE/NUMBER: E72053

Permanone is a registered trademark of AgrEvo Environmental Health, Inc.

PRODUCT DESCRIPTION: **BUGCON SUPER BUG BUSTER**

(Permanone Insect Killer R4) is a ready-to-use stable emulsion insecticide for domestic use both indoors and outdoors.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION % BY WT.
Permethrin	OSHA/ACGIH	Limits: None established = 0.25
CAS NUMBER: 52645-53-1		
Other ingredients	OSHA/ACGIH Limits: None established = 99.75	

This product contains no hazardous inert ingredients as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200) or WHMIS regulations

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

A milky white liquid with a mild aromatic odor. This product is extremely toxic to fish.

POTENTIAL HEALTH EFFECTS (ACUTE EFFECTS)**SKIN:** May cause slight irritation.**SECTION 4. FIRST AID MEASURES****EYES:** Flush eyes with plenty of water get medical attention if irritation persists.**SKIN:** Wash with plenty of soap and water**INHALATION:** Remove individual to fresh air. Get medical attention if breathing difficulty develops.**SECTION 5. FIRE FIGHTING MEASURES****FLAMMABLE PROPERTIES**

FLASH POINT: > 200°F > 93°C TCC

EXTINGUISHING MEDIA

Carbon dioxide, dry chemical foam or water

FIRE FIGHTING INSTRUCTIONS

As in any case, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind.

Isolate hazard area Avoid inhalation don 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:



SECTION 6. 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 73 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 reinstate 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 with out 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 AgrEvo for further assistance if necessary.

SECTION 7. 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.
- * A void exposure to extreme temperatures.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling & before smoking or eating.

SECTION 8 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. if not adequate, use a chemical cartridge-type respirator approved by The National Institute of Occupational Health and Safety

GENERAL PROTECTION

Eye wash facility and safety shower should be available.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE A milky white liquid. **ODOR** Mild aromatic

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE Liquid ph: Neutral (6 - 8)

VAPOR PRESSURE: Not available

VAPOR DENSITY (AIR=1): Not available

EVAPORATION RATE (BUTYL ACETATE=1): Not Available

SPECIFIC GRAVITY OR DENSITY: 1.00 @ 20° C

PACKING (BULK) DENSITY: Not available

BOILING POINT/RANGE: Not available

MELTING/FREEZING POINT RANGE: Not available

SOLUBILITY (IN WATER): Not available

SOLBILITY IN SOLVENTS/OIL (SPECIFIED): Not available

DUST EXPLOSION SEVERITY DATA: Not applicable

MINIMUM IGNITION ENERGY (MJ): Not available

MINIMUM EXPLOSION CONCENTRATION (MEC): Not available

LIMITED OXYGEN CONCENTRATION (LOC): Not available

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION- will not occur.

SECTION 11 - 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 LOSE (rat): > 5.050 mg/kg (practically non-toxic) –

DERMAL LOSO (rabbit): >5,050 mg/kg (practically non-toxic)

INHALATION LC50 (rat, 4hr): > 5.18 mg/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 WERE 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

SECTION 12. 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 wash waters.

SECTION 13. 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**SECTION 14 TRANSPORT INFORMATION**

PROPER SHIPPING NAME: Not DOT Regulated.

NOTE: For transport purposes (49 CFR Part I 73 132) the calculated 1-Hour LC50 (Rat) is: > 20.72 mg/l

SECTION 15 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

Chronic Health Hazard - No

Fire Hazard - No

Sudden Release of Pressure Hazard - No

Reactivity Hazard - No

SARA TITLE III - NOTIFICATIONS AND INFORMATION

Section 302 (EHS) 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

<u>CAS NUMBER</u>	<u>INGREDIENT</u>	<u>NAME PERCENT BY WEIGHT</u>
52645-53-1	Permethrin	= 0.25

This information must be included on all MSDS 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

US STATE REGULATORY INFORMATION

CALIFORNIA (Proposition 65): This product does not contain any chemical which is known to the State of California to cause cancer or birth defects or other reproductive harm.

CANADIAN REGULATORY INFORMATIONPCP NUMBER: **26830**

WHMIS Classification for Control Product Regulations (CPR): Registered pesticide under US FIFRA regulations; exempt from CPR classification.

The MSDS contains all CPR required hazard-related information.

WHMIS HAZARD RATING: See HMIS rating (Section 16)

SECTION 16. OTHER INFORMATION

WHMIS HAZARD RATING	-HEALTH:	1 Slight
	-FIRE:	1 Slight
	-REACTIVITY:	0 Negligible
	-PROTECTION:	B



PCP 27258

Material Safety Data Sheet

22 September 2004

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NFPA HAZARD RATING

-HEALTH: 1 Slight
-FIRE: I Slight
-REACTIVITY: 0 Negligible
-SPECIAL: -

MSDS IDENTIFICATION CODE/NUMBER: E72053

PREPARED BY Regulatory Department PHONE (800) 438-5837
SUPERCEDES MSDS DATE: 70/30/95

DATE AND TIME OF PRINTING 10/04/99 09:43:51

MSDS Revision Indicators: Revisions made in
Section 1 (added product information number, trademark, product description),
Section 2 (changed inert ingredients to other ingredients),
Section 3 (changed Emergency Overview, deleted Eyes, chronic information),
Section 4 (changed Eyes, Skin, added Inhalation),
Section 5 (changed Fire Fighting Instructions, added Flammability Classification/Rating).
Section 6 (changed Accidental Release Measures),
Section 7 (changed H an in and Storage Precautions. Work Hygienic Practices),
Section 8 (Changed text under each subsection),
Section 9 (reformatted Basic Physical Properties),
Section 11(reformatted acute toxicity data),
Section 12 (changed Environmental Precautions),
Section 13 (added to Disposal Considerations),
Section 14 (added 7-Hour LC50).
Section 15 (added to Regulatory Information) and
Section 16 (changed Disclaimer text).

SECTION 17: ADDITIONAL INFORMATION

THE INFORMATION ON THIS MATERIAL SAFETY
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DATED.....22 September 2004

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