

Material safety Data Sheet

Permanone Multi-Purpose 10% B.C.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

AgriEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

COMPANY CONTACT: Regulatory Dept.
TELEPHONE NUMBER: (800)438-5837

EMERGENCY TELEPHONE NUMBER
(800)471-0660

PRODUCT NAME: Permanone Multi-Purpose 10% E.C.
PRODUCT CODE: E72660
CHEMICAL FAMILY: Mixture
CHEMICAL FORMULA: Mixture
EPA REGISTRY NUMBER: 4816-688
MSDS IDENTIFICATION CODE/NUMBER: 4816688

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BYWEIGHT
Permethrin CAS NUMBER: 52645-53-1	None established	= 10.0
Petroleum distillate CAS NUMBER:64742-47-8	None established	> 80.0

3. HAZARDS IDENTIFICATION

***** **EMERGENCY OVERVIEW** *****
* **Health:** Harmful if inhaled. Causes moderate eye irritation. Avoid *
*breathing vapor or spray mist. Avoid contact with eyes, skin or *
* clothing. Wash thoroughly with soap and water after handling. *
* * * * *
* **Environmental:** This product is highly toxic to fish and bees. Shrimp *
* and crab may be killed at application rates recommended on label. *

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY

Inhalation

EYES

Causes moderate eye irritation.

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3. HAZARDS IDENTIFICATION - Continued

SKIN

May cause moderate skin irritation.

INHALATION

Harmful if inhaled.

CHRONIC (CANCER INFORMATION)

No known chronic effects.

4. FIRST AID MEASURES

EYES

Flush eyes with plenty of water. Call a physician if irritation persists.

SKIN

Wash with plenty of soap and water. Get medical attention if irritation persists.

INGESTION

Call a physician or Poison Control Center immediately. Do not induce vomiting unless under a physician's care. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.

INHALATION

Remove affected person to fresh air. Apply artificial respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN

Do not administer or instill milk, cream or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 156°F 69°C TCC

FIRE AND EXPLOSION HAZARDS

Do not use or store near heat or open flame. Do not use this product in or near electrical equipment due to the possibility of shock hazard.

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.

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6. ACCIDENTAL RELEASE MEASURES

Soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Avoid breathing vapor or spray mist. Avoid contact with eyes, skin or clothing.

STORAGE PRECAUTIONS

Store upright at room temperature. Avoid exposure to extreme temperatures.

WORK/HYGIENIC PRACTICES

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

1

EYE/FACE PROTECTION

Safety glasses or goggles.

SKIN PROTECTION

Impervious gloves.

RESPIRATORY PROTECTION

Wear a full-faced gas mask with canister type recommended for general insecticide protection for applying indoors as a space spray or fog.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Medium amber to light brown liquid.

ODOR

Very mild.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

VAPOR PRESSURE: < 1 mmHg @ 25°C

VAPOR DENSITY (AIR=1): > 5 (Air=1)

SPECIFIC GRAVITY: 0.840

SOLUBILITY (H₂O): Emulsifiable

PERCENT VOLATILES: 81

EVAPORATION RATE: < 0.1 (N-Butyl acetate = 1)

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10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBLE MATERIALS

Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS

EPA Tox Category III

SKIN EFFECTS

Irritation: Tox category III; Moderate irritation @ 72 hrs; PDI = 4.2

Absorption: LD50 > 5,050 q/kg

Sensitization: Not a sensitizer

ACUTE ORAL EFFECTS

LD50 > 5,000 mg/kg

ACUTE INHALATION EFFECTS

4-Hour LC50 > 1.56 mg/L (maximum attainable concentration)

1-Hour equivalent LC50 > 6.24 mg/L

CHRONIC (CANCER INFORMATION)

CARCINOGENICITY: NTP: No IARC: No OSHA: No

12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

This product is highly toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when wind speeds exceed 10 mph. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Shrimp and crab may be killed at application rates recommended on label. Use with caution where these are important resources. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product or allow drift when bees are actively visiting the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

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13. DISPOSAL CONSIDERATIONS

Pesticide Disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Disposal:

Containers One Gallon and Smaller: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

Containers Large than One Gallon: Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **Plastic Containers:** Triple rinse (or equivalent).

Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stayoutof smoke. Glass containers: Triple rinse (or equivalent), then dispose of in a sanitary landfill or by other approved state and local procedures.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not DOT Regulated

15. REGULATORY INFORMATION

REGULATED INGREDIENTS

INGREDIENT: Permethrin

CAS NUMBER: 52645-53-1

PERCENT BY WEIGHT: = 10.0

Regulations: Massachusetts Hazardous Substance
New Jersey Workplace Hazardous Substance

16. OTHER INFORMATION

HMS HAZARD RATING - HEALTH: 1 Slight
- FIRE: 2 Moderate
- REACTIVITY: 0 Negligible
- PROTECTION: E

NFPA HAZARD RATING - HEALTH: 1 Slight
- FIRE: 2 Moderate
- REACTIVITY: 0 Negligible
- SPECIAL:

MSDS IDENTIFICATION CODE/NUMBER: 4816688

PREPARED BY: Regulatory Department

PHONE: (800)438-5837

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16. OTHER INFORMATION - Continued

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.