

**Material Safety Data Sheet**

Wisconsin Pharmacal Company  
1 Repel Rd  
P.O. Box 198  
Jackson, WI 53037

**Emergency Number:** 1-800-255-3924  
800-558-6614  
(24 hours)  
(Business Hours)

**Information Number:** 1-

Product Name: Repel Permanone  
Product Code: 326  
Prepared by: Jean Killoren

Date Prepared: 11-16-98

EPA REG. No.: 305-55  
HMIS: Health Hazard - 1  
Fire Hazard: - 1  
Reactivity: - 0  
Personal Protective Equipment:

- B

☐ **HAZARDOUS INGREDIENTS/IDENTITY INFORMATION** ☐

Material	CAS#	%	OSHA/PEL	ACGIH/TLV
Permethrin**	52645-47-1	0.55	N/E	N/E
Stoddard Solvent	8052-41-3	>5	500 ppm	100 ppm
Isobutane	75-28-5	>10	'N/E	N/E
Propane	74-98-6	>10	1,000 ppm	N/E

\*N/E = Not Established

\*\* [(3-Phenoxyphenyl) Methyl (+/-) cis/trans-3-(2,2-dichloroethenyl)-dimethylcyclopropanecarboxylate

☐ **HEALTH HAZARDS** ☐

Acute Inhalation: Avoid breathing mist and vapors.  
Eye Contact: Slight irritation.  
Skin Contact: Moderately Irritating, Harmful if Absorbed.  
Ingestion: Harmful if ingested.  
Primary Routes of Entry: Inhalation and skin contact.  
Systemic & Other Effects: Unknown.

Chemicals Listed as Carcinogens or Potential Carcinogens: None Known. Permethrin produced an increase incidence of Lung and Liver Tumors in female mice at elevated dietary concentrations.

COMMENTS: EPA Tox Category: III (caution) Emergency overview: Health: Harmful if absorbed through skin. Avoid contact with face, eyes, or skin. Avoid breathing vapors or spray mist. Wash hands thoroughly after handling and before eating and smoking.

☐ **EMERGENCY FIRST AID PROCEDURES** ☐

Inhalation: Remove affected person to fresh air. Apply artificial respiration if indicated.  
Skin: Remove contaminated clothing and wash contaminated areas of skin with soap and water.  
Contact a physician if irritation persists.  
Eyes: Flush eyes with plenty of water. Contact a physician if irritation persists.

Oral: Contact a physician or Poison Control Center. Get medical attention.

Note to Physician: Since this product is an aerosol, oral ingestion is unlikely, but if a small amount is ingested (or if treatment is delayed), oral administration of activated charcoal and cathartic is probably sufficient therapy.

#### ▣ TOXICOLOGICAL INFORMATION ▣

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Eye Effects: Draize Score 0.6 at 24 hours slightly irritating.  
Skin Effects: Irritation: Draize Score 0.46 24 hours slightly irritating.

Absorption: LD 50 > 2,000 mg 1 kg  
Sensitization: Negative

Acute Oral Effects: LD 50: > 5 ml/kg

Acute Inhalation Effects: 1 hour LC 50 > 200 mg/kg

Teratogenicity (Birth Defects): Permethrin does not exhibit teratogenic effects based on rat studies.

Matagenicity (Genetic Effects): Permethrin is not considered to be mutagenic based on the ames test. Chronic (Cancer Information) A statistically significant increase in the incidence of Lung and Liver Tumors was observed in female mice receiving diets containing 375 to 750 mg/kg/day over 85 weeks.

#### ▣ PHYSICAL/CHEMICAL CHARACTERISTICS ▣

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Boiling Point: N/A

Specific Gravity: 0.792

Physical State: Liquid

Percent Volatile By Volume: N/E

Packing Density: 6.597 lb/gal

Solubility in Water: Partially Miscible

Appearance and Odor: Creamy white Pressurized Liquid. Mild, Aromatic.

#### ▣ REACTIVITY DATA ▣

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Stability: Stable

Incompatibility (Material to Avoid): Strong Oxidizing Agents

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: None Known.

Conditions to avoid: None

#### ▣ FIRE AND EXPLOSION HAZARDS ▣

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Flash Points: >200°F>93°F (TCC)(Prefill)

Flammability Limits in Air, % By Vol: N/E

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical & Water Fog.

Unusual Fire or Explosion Hazards: Contents under pressure. Avoid bursting of aerosol can. Do not expose to temperatures

greater than 130°F. Do not use or store near heat or open flame. Do not puncture or incinerate.

Special Fire Fighting Procedures: Flammable product. Keep away from source of ignition. As in any fire, wear self-contained breathing apparatus, pressure - demand MSHA/NIOSH approved (or equivalent) and full protective gear.

**☐ SAFE HANDLING AND USE ☐**

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**Spill Response:** PREFILL CONCENTRATE: In case of spill or leakage, soak up with an absorbant material such as sand, sawdust, earth, fuller's earth, etc.... Dispose of with chemical waste.  
FAULTY OR LEAKING CONTAINERS: Keep people away. Open all windows and doors and ventilate area thoroughly. Allow to discharge safely, avoiding breathing vapors, and soak up residues with an absorbent material.

**Waste Disposal and Precautions:** Pesticide Disposal: Prefill pesticide that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility or according to applicable Federal, State or local procedures. Container Disposal: Replace cap, wrap container in several layers of newspaper. Discard in trash. Do not incinerate or puncture.

**Handling and Storing Precautions:** Contents under pressure. Do not store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Avoid exposure to extreme temperatures.

**Other Precautions:** Read and follow label directions. Avoid contact with face, eyes, or skin. Avoid breathing vapors or spray mist. Do not allow contact with treated surfaces until spray has dried. Do not allow spray to contact food or water supply.

**☐ PROTECTION MEASURES ☐**

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**Respiratory Protection:** Normal (Mechanical) Exhaust.

**Ventilation:** Use in well ventilated area.

**Protective Equipment:** Safety Glasses or Goggles.

**Skin:** Rubber or Imprevious Gloves.

**Emergency Number:** 1-800-255-3924

**Comments:** THIS PRODUCT SHOULD NOT BE APPLIED TO CLOTHING WHILE IT IS BEING WORN, UNDER NO CIRCUMSTANCES SHOULD BARE SKIN OR CLOTHING ON THE BODY BE TREATED. Avoid contact with face, eyes, or skin. Avoid breathing vapors or spray mist. Do not allow contact with treated surfaces until spray has dried. Wash thoroughly after handling and before eating or smoking. Do not allow spray to contact food or water supplies. Do not allow use by small children without close adult supervision.

**☐ SPECIAL PRECAUTIONS ☐**

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**Handling and Storage:** Contents under pressure. Do not store near heat or open flame. Do not puncture or incinerate container. Exposure above 130°F may cause bursting. Avoid exposure to extreme temperatures.

**☐ ECOLOGICAL INFORMATION ☐**

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**Other Environmental Information:** Do not contaminate water by use, storage, or disposal of this product.

**☐ REGULATED INGREDIENTS ☐**

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Ingredient: Permethrin

Cas Number: 52645-53-1

Percent by weight: = .055

Regulations: Massachusetts Hazardous Substance  
New Jersey Workplace Hazardous Substance  
SARA Section 313 Toxic Chemical

Ingredient: Stoddard Solvent

Cas Number: 8052-41-3

Percent by weight: > 5

Regulations: Illinois Toxic Substance  
Massachusetts Hazardous Substance  
New Jersey Workplace Hazardous Substance  
Pennsylvania Workplace Hazardous Substance

Ingredient: Isobutone

Cas Number: 75-28-5

Percent by weight: >10

Regulations: Massachusetts Hazardous Substance  
New Jersey Special Health Hazardous Substance  
New Jersey Workplace Hazardous Substance  
Pennsylvania Workplace Hazardous Substance

Ingredient: Propane

Cas Number: 74-98-6

Percent by weight: >10

Regulations: Illinois Toxic Substance  
Massachusetts Hazardous Substance  
New Jersey Special Health Hazardous Substance  
New Jersey Workplace Hazardous Substance  
Pennsylvania Workplace Hazardous Substance

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