

**Material Safety Data Sheet**  
**U.S. Department of Labor (OSHA 29 CFR 1910.1200)**

**Manufacturer's Name:**      **Prentiss Incorporated**  
   **C. B. 2000**  
   **Floral Park, NY 11001**  
**Telephone Number:**      **(516) 326-1919**

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**Section 1: Chemical Identification**

**Product:**      **655-812**      **Prentox® Perm-X™ UL 31-66**  
**EPA Signal Word:**      CAUTION

**Active Ingredients (%):**      Permethrin (31%)      (CAS # 52645-53-1)  
   Piperonyl Butoxide Technical (66%)      (CAS #51-03-6)  
**Chemical Class:**      Insecticide mixture

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**Section 2: Composition/Information on Ingredients**

<b>Material:</b>	<b>OSHA</b>	<b>ACGIH</b>	<b>NTP/IARC/OSHA</b>	
	<b>PEL</b>	<b>TLV</b>	<b>Other</b>	<b>Carcinogen</b>
Permethrin	N/A	N/A	Not Est.	No
Piperonyl Butoxide Technical	Not Est.	Not Est.	Not Est.	No

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**Section 3: Hazards Identification**

**Primary Routes of Entry:** Eye and skin contact, inhalation.

Prolonged or frequent repeated skin contact with permethrin may cause allergic reaction in some individuals. Repeated and prolonged skin contact with piperonyl butoxide may cause skin irritation. This product may cause temporary eye irritation.

**Symptoms of Acute Exposure**

Large, toxic doses of permethrin, administered to laboratory animals, have produced central nervous system effects with symptoms that include diarrhea, salivation, bloody nose, tremors and intermittent convulsions. Overexposure to permethrin via inhalation also produced hyperactivity and hypersensitivity.

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**Section 4: First Aid Measures**

**Ingestion:** Immediately call a physician or Poison Control Center or doctor. Do not induce vomiting unless told by a poison control center or a doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists, seek medical attention (based on solvent).

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a Poison Control Center for treatment advice.

**Inhalation:** The solvent in this product has a low vapor pressure and is not expected to present an inhalation exposure hazard during mixing and loading. Follow directions for use on product packaging when applying this product.

**Note to Physician:** Contains petroleum distillate – vomiting may cause aspiration hazard.

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## Section 5: Fire Fighting Measures

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### Fire and Explosion

Flash Point (Test Method):            260°F (TCC)  
Flammable Limits (% in air): Lower: N/A    Upper: N/A

### Unusual Fire, Explosion and Reactivity Hazards

The solvent in this product may generate dense smoke when burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

#### In case of Fire

Use water fog, dry chemical, foam or CO<sub>2</sub> extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Use as little water as possible to prevent spread of contaminated runoff.

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## Section 6: Accidental Release Measures

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Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, to prevent contact with spilled material. For small spills, cover the spill with an absorbent material such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

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## Section 7: Handling and Storage

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Store the material in a well-ventilated, secure area, out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

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## Section 8: Exposure Controls/Personal Protection

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**Ingestion:** Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

**Eye Contact:** To avoid eye contact, wear safety glasses with side shields or chemical goggles.

**Skin Contact:** To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, and long pants.

**Inhalation:** Avoid breathing vapors or mist.

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## Section 9: Physical and Chemical Properties

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Appearance:	Clear light amber liquid
Odor:	Slight solvent and licorice.
Melting Point:	N/A
Boiling Point:	N/D
Specific Gravity/Density:	1.0797-1.0853
pH:	N/A



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**Section 13: Disposal Considerations**

**Disposal:** Do not reuse product containers. Dispose of product containers, waste containers, and residues according to Federal, State and local health and environmental regulations.

**Characteristic Waste:** Ignitable

**Listed Waste:** N/A

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**Section 14: Transport Information**

**DOT Classification:** Pesticides, liquid, toxic, n.o.s. (permethrin), 6.1, UN2902, PG III

**B/L Freight Classification:** Insecticides: other than poison, NMFC item 102120

**International Transportation:** Not Available

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**Section 15: Regulatory Information**

**SARA Title III Classification:**

Section 311/312:                      Acute Health Hazard – Yes  
   Chronic Health Hazard – Yes  
   Fire Hazard – No  
   Sudden release of pressure hazard – No  
   Reactivity hazard – No

Section 313 chemicals:

Permethrin (31%)	(CAS # 52645-53-1)
Piperonyl Butoxide (66%)	(CAS # 51-03-6)

**This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. Any copies or redistribution of this MSDS must include this notice.**

**Proposition 65:** Not applicable

**RCRA Classification:** Ignitable

**TSCA Status:** Exempt from TSCA

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**Section 16: Other Information**

**NFPA Hazard Ratings:**

Health	1	0	Least
Flammability	0	1	Slight
Reactivity	0	2	Moderate
		3	High
		4	Severe

**Date Prepared:** September 9, 2002

**Supersedes:** N/A

**Reason:** Initial Issue.

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