



MATERIAL SAFETY DATA SHEET

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0 Special: 0

TELEPHONE CONTACTS:

Product Technical and Medical Information: (800) 433-8871
Transportation Emergency 24-Hour Response (CHEMTREC): (800) 424-9300

SECTION 1: PRODUCT IDENTIFICATION

Compound Name: **ELIMITE[®] (Permethrin) 5% Dermal Cream**

Chemical Class: Topical Scabicide

Manufacturer's Name: Allergan, Inc.

Address: 2525 Dupont Drive
Irvine, CA 92612

Revision Date: June 20, 2001 (*Supersedes June 8, 2001*)

SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	Percent (By Weight)	Exposure Limits in Air	
			OSHA PEL	ACGIH TLV
Permethrin	52315-07-8	5.0	N/E	N/E
Formaldehyde	50-00-0	0.1	0.75 ppm	0.3 ppm (C)

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: ELIMITE[®] (Permethrin) 5% Dermal Cream may cause mild skin irritation. Contact with the eyes may result in mild to moderate eye irritation. If irritation persists, seek medical attention.

Potential Health Effects:

EYE CONTACT: Contact with the eyes may result in mild to moderate irritation (burning or stinging) in sensitive individuals. Avoid contact with the eyes.

SKIN CONTACT: Prolonged contact with the skin may result in mild irritation and redness.

INHALATION: The product is non-volatile and inhalation is not likely to occur.

INGESTION: No instance of accidental ingestion of **ELIMITE® (Permethrin) 5% Dermal Cream** has been reported. Accidental ingestion may cause gastric upset with irritation and nausea.

CHRONIC EFFECTS: No adverse health effects associated with repeated contact with **ELIMITE® (Permethrin) 5% Dermal Cream** have been reported. This product has been shown to cause sensitization in guinea pigs and would be classed as a mild sensitizer.

Permethrin was not carcinogenic in rats, and no evidence of mutagenicity was observed in any of the several studies performed. Permethrin was shown to produce an increased incidence of benign tumors in mice when treated at high doses.

Formaldehyde is listed by IARC and the NTP as a suspect human carcinogen.

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention if irritation or other symptoms persist.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops consult a physician

Wash contaminated clothing before reuse.

Inhalation: Inhalation is not likely to occur. If symptoms occur, move to fresh air and obtain medical attention. Treat symptomatically.

Ingestion: No information is available on overdosage in humans. Wash out mouth and give plenty of water or bland fluids. Contact a physician immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point and Method: Greater than 200°F (Seta Flash Cup)

Flammable Limits: Not applicable

Autoignition Temperature: No data for this product

Fire-Extinguishing Materials: Material is non-flammable. Use extinguishing media suitable for materials supporting combustion such as water fog, CO₂, foam or dry chemical

Fire fighting Procedures: Use self-contained breathing apparatus in enclosed or confined spaces or as otherwise needed.

Unusual Fire and Explosion Hazards: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wipe up spill with absorbent material and wash area with water. If large quantities are spilled, scoop up material and place in disposal container. Flush spill area residue with water. Permethrin is toxic to aquatic life. Do not flush large quantities to sewers, storm drains or soil.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid unintentional contact with skin surfaces. Wash thoroughly after handling. Observe all precautions contained on product label and package insert.

Storage: Store in a cool (15-25°C), dry location out of direct sunlight. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: None necessary for normal product handling.

Respiratory Protection: None necessary for normal product handling.

Eye Protection: None required for normal product handling.

Protective Clothing: None required for normal product handling.

Hygienic Work Practices: Wash hands thoroughly after handling. If working with large quantities of material (such as spill clean-up), use nitrile or other chemical resistant gloves and appropriate eye protection. No eating, drinking or smoking in area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Vapor Density (Air = 1): No data for this product

Boiling Point: Not determined

Solubility in Water: Partially soluble

Specific Gravity (H₂O=1): 0.93

Vapor Pressure (mm Hg at 20° C): No data for this product

Appearance and Odor: White smooth cream

SECTION 10: STABILITY AND REACTIVITY

General: This product is stable and hazardous polymerization will not occur.

Incompatible Materials and Conditions to Avoid: Store away from oxidizers, strong alkalines, and heat. Store below 25 °C.

Hazardous Decomposition: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Oral: LD₅₀ (rat) - >5.0 mL/kg

Dermal: LD₅₀ (rat)- >10 mL/kg

Carcinogenicity: Six carcinogenicity bioassays were evaluated with permethrin, three each in rats and mice. No tumorigenicity was seen in the rat studies. However, species-specific increases in pulmonary adenomas, a common benign tumor of mice of high spontaneous background incidence, were seen in the three mouse studies. In one of these studies there was an increased incidence of pulmonary alveolar-cell carcinomas and benign liver adenomas only in female mice when permethrin was given in their food at a concentration of 5000 ppm.

Reproduction: Permethrin did not have any adverse effect on reproductive function at a dose of 180 mg/kg/day orally in a three-generation rat study. Reproduction studies have been performed in mice, rats, and rabbits (200 to 400 mg/kg/day orally) and have revealed no evidence of impaired fertility or harm to the fetus due to permethrin.

Mutagenicity: Permethrin showed no evidence of mutagenic potential in a battery of *in vitro* and *in vivo* genetic toxicity studies.

SECTION 12: ECOLOGICAL INFORMATION

Permethrin is toxic to aquatic life. Do not discharge this material directly to the sewer, storm drains or soil.

SECTION 13: DISPOSAL CONSIDERATIONS

For small quantities of **ELIMITE® (Permethrin) 5% Dermal Cream**, discard as ordinary trash. For large quantities, contact Allergan for information on disposal options.

SECTION 14: TRANSPORT INFORMATION

Not a hazardous material for DOT, IATA, IMO or TDG shipment.

SECTION 15: REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):

All components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

This product contains an ingredient (Permethrin) which is a pyrethroid. Pyrethrins are classified as hazardous substances under CERCLA with a reportable quantity of 1 pound.

SARA Title III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories: Immediate Health

313 Reportable Ingredients: None

WHMIS (Workplace Hazardous Materials Information System - Canada):

Not Regulated (Product is regulated by the Food and Drugs Act)

SECTION 16: OTHER INFORMATION

Revision Summary: MSDS revised June 20, 2001 (supercedes June 8, 2001)

The preceding information is based on available data and is believed to be correct. However, no warranty is expressed or to be implied regarding the accuracy of this information, the results to be obtained from the use thereof or the hazards connected with the use of the material. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, Allergan does not assume any responsibility for the results of its use. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the effects, properties, and protections which pertain to their particular conditions.