

Material Safety Data Sheet

Date last revised: 4 June, 2007

I. General Information

Chemical Name and Synonyms Permethrin	Trade Name & Synonyms FLIT 10EC Broad Spectrum Multi-Use Insecticide
Chemical Family Synthetic Pyrethroid	EPA Registration Number 8329-67
Proper DOT Shipping Name Agricultural Insecticide, N.O.I., other than poison	DOT Hazard Classification UN2902, Pesticides, liquid, toxic, n.o.s. (Permethrin), 6.1 PGIII
Manufacturer Clarke Mosquito Control Products, Inc	Manufacturer's Phone Number (630) 894-2000
Manufacturer's Address 159 North Garden Avenue Roselle, Illinois 60172	INFOTRAC (Transportation/Spill Emergency) 1-800-535-5053 Poison Control Center (Medical Emergency) 1-800-214-7753

II. Ingredients

Principal Hazardous Components	CAS #	OSHA PEL-TWA	Percent
Permethrin	52645-53-1	None Established	10.0
Petroleum Distillate	64742-47-8	2000 mg/ m3	81.10
Nonylphenol ethoxylate, branched	127087-87-0	None Established	4.40

III. Hazards Identification

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.

IV. EMERGENCY FIRST AID

Skin Contact: Remove contaminated clothing and wash affected areas of skin with soap and water.

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

Inhalation: Remove affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Ingestion: Call a physician or Poison Control Center immediately. Rinse out mouth and give water in small sips to drink.

Do not induce vomiting. This product contains petroleum solvent. Aspiration may be a hazard. Do not give anything by mouth to an unconscious person.

Note to Physician: This product contains a pyrethroid. Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard. Do not administer milk, cream or other substances containing vegetable or animal fats, which enhance the absorption of lipophilic substances. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using cuffed endotracheal tube should be considered.

V. Fire & Explosion Hazard Data

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.

Flash Point (Test Method: 156 F, 69C (Tag Closed Cup))

Extinguishing Media: Foam, carbon dioxide, dry chemical or water

Special Fire Fighting Procedures: Use self-contained breathing apparatus pressure demand, MSHA/NIOSH approved and full protective gear Cool fire exposed areas and equipment. Do not use direct stream of water. Material may float and ignite.

VI. Physical Data

Boiling Point (°F): Not Established	Specific Gravity (H₂O = 1): 0.84
Vapor Pressure (mm Hg.): < 1 mm HG @ 25 C	Vapor Density (Air = 1): >5
Solubility in Water: Emulsifiable	pH: Not Applicable
Appearance: Medium amber to light brown	Odor: Very mild

VII. Toxicological Information

Primary Route of Entry: Inhalation, Dermal, Oral	Eye Effects: EPA Category III
Toxicity: Oral LD₅₀:	> 5000 mg/kg
Dermal LD₅₀:	> 5050 mg/kg- Absorption; Irritation EPA Tox Category III; Not a sensitizer.
Acute Inhalation:	4-hour LC > 1.6 mg/L (maximum attainable concentration); 1-hour equivalent > 6.4 mg/L
Chronic (permethrin):	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 over 85 weeks.
Carcinogenicity	NPT: No IARC: No OSHA: No

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VIII. Reactivity Data

Stability:	Do Not store near heat or flame
Incompatibility	Strong oxidizers
Hazardous Decomposition Products	Will not occur

IX. Environmental Protection Procedures

Spill Response: In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, Fuller's earth, etc. Clean spill area of residues and absorbent. Contaminated absorbent should be disposed of according to local, state and federal regulations.

Storage: Store upright and sealed in its original container at room temperature, in a dry locked place out of the reach of children. Avoid exposure to extreme temperatures.

Waste Disposal: Do not contaminate water, food, or feed by storage or disposal. **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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a landfill or by other approved State and local procedures. For guidance, contact your State Water Board or Regional Office of the EPA.

Other Precautions: Do not contaminate water by cleaning of equipment or disposal or wastes.

X. Special Protection Information

Eye Protection: OSHA-approved safety glasses, goggles or face shield suggested when mixing or loading tank.

Respiratory Protection: Wear a full-faced gas mask with canister type, recommended for general insecticide protection for applying indoors as a space spray fog

Other: IMPORTANT. Read and observe all precautions and instructions on the label.

Skin Protection: Handlers should wear protective clothing and chemical resistant gloves when mixing or loading tank

Ventilation: Work in a well ventilated area.

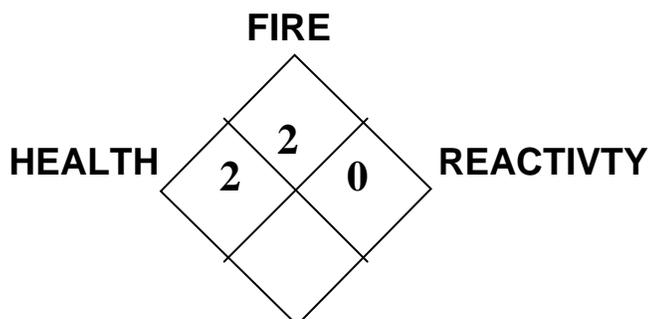
XI. Other Regulatory Information

SARA Title III Notifications and information: 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 40 CFR 372:

CAS Number	INGREDIENT NAME	PERCENTAGE BY WEIGHT
52645-53-1	Permethrin	10.0

This information must be included on all MSDS's that are copied and distributed for this material

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



NFPA Code Key

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**