

# Material Safety Data Sheet

Date last revised: 18 June 2008

## I. General Information

|   |  |
|---|--|
| <b>Product Name &amp; Synonyms</b><br><b>FLIT 10EC Broad Spectrum Multi-Use Insecticide</b> | <b>Manufacturer</b><br>Clarke Mosquito Control Products, Inc<br>159 North Garden Avenue<br>Roselle, Illinois 60172 |
| <b>EPA Registration Number</b><br>8329-67   | <b>Manufacturer's Phone Number</b><br>(630) 894-2000   |
| <b>Formulation</b><br>Emulsifiable Concentrate  | <b>INFOTRAC</b> (Transportation/Spill Emergency) 1-800-535-5053  |
| <b>DOT Classification</b><br>NA1993 Combustible liquid, n.o.s. PG III                       | <b>Poison Control Center</b> (Medical Emergency) 1-800-214-7753  |
| <b>Freight Classification</b><br>Agricultural Insecticide, N.O.I., other than poison        |  |

## 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:** Warning! Causes skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if inhaled or absorbed through skin. Avoid inhalation of vapor or mist.

**Routes of Exposure:** eye contact, skin contact, inhalation

## IV. EMERGENCY FIRST AID

**Skin Contact:** Remove contaminated clothing and shoes immediately and wash affected areas of skin with water for at least 15 minutes.

**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:** Move to fresh air. If not breathing, call 911 or an ambulance, then 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 unless directed to do so by a physician or poison control center. 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. **Treatment:** There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. Do not administer milk, cream or other substances containing vegetable or animal fats, which enhance the absorption of lipophilic substances.

## 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

|   |  |
|---|--|
| <b>Boiling Point (°F):</b> Not Established            | <b>Specific Gravity (H<sub>2</sub>O = 1):</b> 0.84 |
| <b>Vapor Pressure (mm Hg.):</b> < 1 mm HG @ 25 C      | <b>Vapor Density (Air = 1):</b> >5                 |
| <b>Solubility in Water:</b> Emulsifiable              | <b>pH:</b> Neutral                                 |
| <b>Appearance:</b> Amber to brown liquid              | <b>Odor:</b> Mild                                  |
| <b>Density:</b> approx 0.842 g/cm <sup>3</sup> at 20C | <b>Bulk Density:</b> 7.0 lb/gal                    |

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## VII. Toxicological Information

**Primary Route of Entry:** Inhalation, Dermal, Oral

**Oral Toxicity**

LD<sub>50</sub> > 5000 mg/kg

**Skin**

LD<sub>50</sub> > 5050 mg/kg - Absorption

Irritation EPA Tox Category II

Not a sensitizer

**Eye Effects:**

EPA Category III

**Acute Inhalation:**

4-hour LC > 1.6 mg/L (maximum attainable concentration); 1-hour equivalent > 6.4 mg/L

**Chronic (permethrin):**

Permethrin caused neurobehavioral effects (e.g., tremors) and/or organ effects (liver, lung, kidney) in chronic studies in rats, mice and dogs.

**Carcinogenicity**

NPT: No

IARC: Permethrin (Overall evaluation: 3)

OSHA: No

## 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 of wastes.

## X. Special Protection Information

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

**Skin Protection:** Wear long-sleeved shirt and long pants and shoes plus socks. Handlers should wear protective clothing and chemical resistant gloves 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

**Ventilation:** Work in a well ventilated area.

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

## XI. Other Regulatory Information

### US Federal Regulations

#### TSCA list

Distillates (petroleum), hydrotreated light

64742-47-8

Nonylphenol ethoxylate, branched

127087-87-0

**TSCA Section 12(b) Export Notification 40 CFR 707, Subpart D:** None

**SARA Title III – Section 302 Notification and Information:** None

**SARA Title III – Section 313 – Toxic Chemical Release Reporting 40 CFR 372:**

CAS Number

INGREDIENT NAME

PERCENTAGE BY WEIGHT

52645-53-1

Permethrin

10.0

### US States Regulatory Reporting

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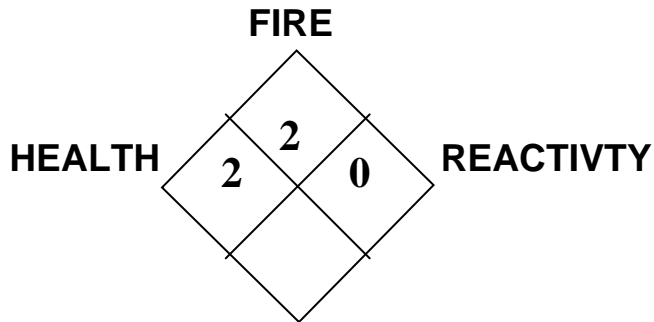
CA Prop 65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

NJ Right-to-Know

Permethrin 52645-53-1



## 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.**