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**EMERGENCY PHONE:** LESCO: (800) 321-5325  
**CHEMTREC:** (800) 424-9300

**DATE ISSUED:** 5/13/03  
**SUPERSEDES:** New

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**I. PRODUCT IDENTIFICATION**

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**PRODUCT NAME:** LESCO CrossCheck™ PMP Termiticide/Insecticide

**Chemical Family:** Synthetic pyrethroid insecticide

**Chemical Name/Synonyms:** (2-methyl-1,1-biphenyl-3-yl)-methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl cyclopropanecarboxylate

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**II. COMPOSITION/INFORMATION ON INGREDIENTS**

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CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Bifenthrin	7.9	82657-04-3	Not Established
Propylene glycol	6.0	57-55-6	10Mg/m <sup>3</sup>
Inert ingredients	86	NA	NA

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion

**POTENTIAL HEALTH EFFECTS:** May be harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. Symptoms of overexposure are nosebleed, tremors and convulsions. Dermal contact may produce rashes, numbing, burning or tingling.

**EYE:** Moderately irritating to the eyes

**SKIN:** Prolonged or repeated skin contact may cause rashes, numbing, burning or tingling. Symptoms are usually reversible within 12 hours.

**INHALATION:** Vapor concentrations may be harmful if inhaled.

**INGESTION:** May be harmful if swallowed.

**MEDICAL CONDITIONS AGGRAVATED:** Existing skin sensitivities.

**POTENTIAL ENVIRONMENTAL HAZARDS:** Highly toxic to fish, other water organisms and bees. Keep out of waterways.

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**IV. FIRST AID MEASURES**

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**EYES:** Hold eyes 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.

**SKIN:** Take off contaminated clothing, Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

**INHALATION:** Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call a physician or poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

**NOTES TO MEDICAL DOCTOR:** This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided. This product has moderate inhalation and low oral and dermal toxicity. Reversible skin sensations (paresthesia) may occur and ordinary skin salves have been found useful in reducing discomfort.

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**V. FIRE FIGHTING MEASURES**

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**Flash Point (Method Used):** > 190F / 90C

**Lower Explosion Limits:** Not Determined

**NFPA/HMIS Rating:** Health: 2

**EXTINGUISHING MEDIA:**  Foam

**Auto Ignition Temperature:** Not Determined

**Upper Explosion Limits:** Not Determined

**Fire:** 2 **Reactivity:** 0

Alcohol Foam  Dry Chemical

Water Spray Other CO<sub>2</sub>

**EXPLOSION HAZARDS:** Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

**FIRE FIGHTING PROCEDURES:** Isolate area and fight fire upwind from a safe distance to avoid possible hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Use self-contained breathing apparatus with full facepiece and full fire fighting turn-out gear (Bunker gear).

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, chlorine, fluorine, hydrogen chloride and hydrogen fluoride.

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**VI. ACCIDENTAL RELEASE MEASURES**

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**RELEASE NOTES:** If material is spilled, clean up spills immediately, observing precautions in Section VIII of this document. Isolate hazard area. Keep unnecessary personnel from entering.

**Small Spills:** Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

**Large Spills:** Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. After removal, clean the area with detergent and water and neutralize with diluted alkaline solutions of caustic or soda ash. This material is a water pollutant and should be prevented from contaminated soil or from entering sewage and drainage systems and bodies of water.

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**VII. HANDLING AND STORAGE**

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**GENERAL PROCEDURES:** Use only a well-ventilated area. Keep away from food, feed and drinking water. Do not contaminate water, food or feed by storage or disposal. Store in a well-ventilated, dry place away from heat and other sources of ignition. Store in original containers only. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink container.

**OTHER PRECAUTIONS:** Wash thoroughly with soap and water after handling. Keep out of reach of children and animals.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:** Proper ventilation is required when handling or using this product. Localized exhaust should be used in areas where vapors or mists may be emitted. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

**PERSONAL PROTECTION EQUIPMENT:** (PPE)

**EYES AND FACE:** Safety goggles or full face shield

**RESPIRATORY:** When handling in enclosed areas where exposure limits may be exceeded, use a respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides or a canister approved for pesticides.

**GLOVES:** Chemical resistant gloves, such as barrier laminate, nitrile rubber, neoprened rubber, or viton.

**PROTECTIVE CLOTHING:** Long sleeved shirt and long pants; shoes plus socks

**WORK HYGENIC PRACTICES:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

**COMMENTS:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

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**BOILING POINT:** Not Determined

**MELTING POINT:** Not Determined

**VAPOR DENSITY (air = 1):** Not Determined

**ODOR:** No appreciable odor

**SPECIFIC GRAVITY:** 1.017 (8.5 lb/gal)

**EVAPORATION RATE:** Not Determined

**VAPOR PRESSURE:** Not Determined

**SOLUBILITY IN WATER:** Dispersible

**APPEARANCE:** Off-white liquid  
**pH:** 6.0 – 6.5

**PERCENT VOLATILE:** Not Determined  
**MOLECULAR WEIGHT (Technical):** 422.9  
**MOLECULAR FORMULA (Technical):**  
 $C_{23}H_{22}C1F_3O_2$

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**X. STABILITY AND REACTIVITY**

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**CONDITIONS TO AVOID:** Avoid excessive heat and fire  
**STABILITY:** Stable; however, may decompose if heated  
**POLYMERIZATION:** Will not occur  
**INCOMPATIBLE MATERIALS:** Oxidizing materials  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

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**XI. TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:** (Rabbit): Slight to moderate irritation  
**SKIN EFFECTS:** (Rabbit): Moderate irritation  
**DERMAL LC<sub>50</sub>:** (Rabbit): > 2,000 mg/Kg  
**ORAL LD<sub>50</sub>:** (Rat): > 500 mg/Kg  
**INHALATION LC<sub>50</sub>:** (Rat): > 10.0 mg/L (1 hr)  
**SENSITIZATION:** (Guinea Pig): Potential  
**ACUTE EFFECTS FROM OVEREXPOSURE:** Causes moderate eye irritation. Prolonged or repeated skin contact may cause rashes, numbing, burning or tingling. Symptoms of over exposure are nose bleed, tremors and convulsions.  
**CHRONIC EFFECTS FROM OVEREXPOSURE:** Not Determined  
**CARCINOGENICITY:** No evidence of genotoxicity effects during studies. Not known to exhibit reproductive or teratogenic effects.  
**IARC:** Not Listed  
**NTP:** Not Listed  
**OSHA:** Not Listed  
**OTHER:** Not Listed

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**XII. ECOLOGICAL INFORMATION**

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**ENVIRONMENTAL DATA:** This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.  
**ECOTOXICOLOGICAL INFORMATION:**  
**Fish Toxicity (Technical):**  
96 hour LC<sub>50</sub>, Rainbow trout – 0.15 ug/L  
96 hour LC<sub>50</sub>, bluegill – 0.35 ug/L  
**Avian Toxicity (Technical):**  
Oral LD<sub>50</sub>, bobwhite quail – 4000 mg/Kg  
Oral LD<sub>50</sub>, Mallard duck – 1250 mg/Kg  
**Bee Toxicity:** Toxic

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**XIII. DISPOSAL CONSIDERATIONS**

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**DISPOSAL METHODS:**  
**Product:** Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact our State pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**Container: Plastic Container:** Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Returnable/Refillable Sealed Container:** Do not rinse container. Do not empty remaining formulated product. Do not break seals; Return intact to point of purchase.

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**XIV. TRANSPORTATION INFORMATION:**

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**DOT Transportation:**

Not Regulated

**Proper Shipping Name:**

Agricultural Insecticide, Liquid, N.O.I.B.N.

**Hazard Class:**

Not Regulated when shipped by highway in packages &lt;119 gallons.

(Non-bulk packages by water and bulk packages by highway, railroad or water, the material is Class 9: Environmentally hazardous substances, liquid, n.o.s. (bifenthrin 7.9%), 9, UN3082, III. NAERG Guide 171)

**U.S. Surface Freight Class:**

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**Marine Pollution #1:**

(Non-bulk packages by water and bulk packages by highway, railroad or water, the material is Class 9: Environmentally hazardous substances, liquid, n.o.s. (bifenthrin 7.9%), 9, UN3082, III. NAERG Guide 171)

**HM 181 Shipping Name:**

Not Regulated

**ID NO.:**

Not Applicable

**Reportable Quantity (RQ):**

Not Applicable

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**XV. REGULATORY INFORMATION – UNITED STATES**

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**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):****SEC 311/312:**Y Immediate (Acute Health)N Delayed (Chronic Health)N FireN Sudden Release of PressureN Reactivity**SEC 302 (Extremely Hazardous Substance):** Not Listed**SEC 304 (Emergency Release Notification):** Not Listed**SEC 313 (Toxic Chemicals):** Bifenthrin (CAS #82657-04-3 7.9%); Propylene Glycol (CAS #57-55-6 <10%)**CERCLA RQ:** Not Listed**CAA RQ:** Not Listed**EPA Registration No.:** 51036-392-10404

NOTE: NA=Not Applicable; ND=Not Determined; NE=Not Established

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