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

**DATE ISSUED:** 2/7/02  
**SUPERSEDES:** 11/15/00

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**I. PRODUCT IDENTIFICATION**

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**PRODUCT NAME:** LESCO Touché EG Fungicide

**Chemical Family:** Dichloroaniline

**Chemical Name/Synonyms:** Vinclozolin (active ingredient); 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione; BAS 352 40 F

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**II. COMPOSITION/INFORMATION ON INGREDIENTS**

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CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Vinclozolin	50	50471-44-8	1.0 mg/M <sup>3</sup> (BASF recommended)
Inert Ingredients	50	Not Applicable	Not Established

This formulation contains kaolin. Kaolin contains small amounts of crystalline silica. This formulation may contain more than 0.1% crystalline silica.

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**III. HAZARDS IDENTIFICATION**

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

**POTENTIAL HEALTH EFFECTS:** Harmful if swallowed, inhaled, or absorbed through skin. Do not get on skin, in eyes, or on clothing. Avoid breathing vapor or spray mist. Prolonged exposure or frequently repeated skin contact may cause allergic reactions in some individuals. For the active ingredient, Vinclozolin, animal study tests indicate embryotoxicity, reproductive toxicity and cataract formation. Also, endocrine changes have been reported in animal developmental, subchronic and chronic toxicity studies. Overexposure to crystalline silica results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs and repeated, non-specific chest illnesses.

**EYE:** Causes eye irritation

**SKIN:** May cause allergic reaction in some individuals

**INHALATION:** Inhalation of powder may result in respiratory irritation.

**INGESTION:** Ingestion of powder may result in gastric disturbances.

**MEDICAL CONDITIONS AGGRAVATED:** No information found for this mixture.

**POTENTIAL ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment washwaters.

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**IV. FIRST AID MEASURES**

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**EYES:** Flush with plenty of water. Call a physician if irritation persists.

**SKIN:** Wash with plenty of soap and water. Get medical attention.

**INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**INGESTION:** If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

**NOTES TO MEDICAL DOCTOR:** None Known

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**V. FIRE FIGHTING MEASURES**

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**Flash Point (Method Used):** Not Determined

**Lower Explosion Limits:** Not Determined

**NFPA/HMIS Rating:** Health: 1

**EXTINGUISHING MEDIA:**  Foam

Water Fog

**Auto Ignition Temperature:** Not Determined

**Upper Explosion Limits:** Not Determined

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

Alcohol Foam

Other

Dry Chemical

CO<sub>2</sub>

**EXPLOSION HAZARDS:** None Known. May form explosive dust/air mixture.

**FIRE FIGHTING PROCEDURES:** Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

**HAZARDOUS COMBUSTION PRODUCTS:** No Data

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**VI. ACCIDENTAL RELEASE MEASURES**

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**RELEASE NOTES:** If material is spilled, keep the spilled product dry to reduce volume. Scoop up the recaptured dry product and return it to the original container. Apply product according to normal label directions. If the spilled product gets wet, add a drying agent to contain the spill and dispose of as directed.

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**VII. HANDLING AND STORAGE**

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**GENERAL PROCEDURES:** Do not contaminate water, food, or feed by storage or disposal. Do not store below 32F or above 100F. Store in dry place away from heat or open flame. **Water-soluble Packaging:** The bags will dissolve in water and the contents disperse. If all the water-soluble bags are not used, carefully reseal the full bag. Do not remove the water-soluble bags from the overwrap bags except for immediate use. If exposed to moisture, the water-soluble bags may break.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:** Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

**PERSONAL PROTECTION EQUIPMENT:**

**EYES AND FACE:** Chemical goggles

**RESPIRATORY:** Air respirators (NIOSH/MSHA approved) should be worn

**GLOVES:** Waterproof gloves

**PROTECTIVE CLOTHING:** Coveralls over long-sleeved shirt and long pants; chemical-resistant footwear and socks; chemical resistant apron when cleaning equipment, mixing, or loading

**WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling. Follow the manufacturer's instructions for cleaning and maintaining PPE or use detergent and hot water for washables. Keep and wash PPE separately from other laundry.

**COMMENTS:** 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. Remove PPE immediately after handling product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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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 Applicable  
**ODOR:** Aromatic  
**APPEARANCE:** Tan powder  
**pH:** Not Determined

**SPECIFIC GRAVITY:** Not Applicable  
**EVAPORATION RATE:** Not Applicable  
**VAPOR PRESSURE:** Not Determined  
**SOLUBILITY IN WATER:** Dispersible  
**PERCENT VOLATILE:** Not Applicable  
**BULK DENSITY (lbs./cu ft):** 28

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**X. STABILITY AND REACTIVITY**

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**CONDITIONS TO AVOID:** Moisture

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur

**INCOMPATIBLE MATERIALS:** Unknown – see label for recommended mixtures

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may generate HCl and NOx

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**XI. TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:** Causes eye irritation

**SKIN EFFECTS:** Rabbit: Non irritating

**DERMAL LC<sub>50</sub>:** Rat: >2000 mg/kg

**ORAL LD<sub>50</sub>:** Rat: >5000 mg/kg

**INHALATION LC<sub>50</sub>:** Rat: >5.3 mg/L (4 hour)

**SENSITIZATION:** Guinea Pig: Sensitizing

**ACUTE EFFECTS FROM OVEREXPOSURE:** Harmful if swallowed, inhaled or absorbed through skin. Causes eye irritation. Do not get on skin, in eyes or on clothing. Avoid breathing vapor or spray mist. Prolonged exposure or frequently repeated skin contact may cause allergic reactions in some individuals.

**CHRONIC EFFECTS FROM OVEREXPOSURE:** For the active ingredient, Vinclozolin, animal study tests indicate embryotoxicity, reproductive toxicity and cataract formation. Also, endocrine changes have been reported in animal developmental, subchronic and chronic toxicity studies. Overexposure to crystalline silica, a minor component of the formulation, results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.

**CARCINOGENICITY:** Lifetime feeding studies of Vinclozolin (ai) to rodents have shown an increased incidence of tumors at excessive dose levels.

**IARC:** Crystalline silica – Group 1 (those agents with evidence of carcinogenicity to humans)

**OSHA:** Not Listed

**NTP:** Not Listed

**OTHER:** Not Listed

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**XII. ECOLOGICAL INFORMATION**

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**ENVIRONMENTAL DATA:** Do not apply directly to areas where surface water is present, or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment wash waters.

**ECOTOXICOLOGICAL INFORMATION:** This product is toxic to fish.

Rainbow Trout, static 96 hr LC50 > 100 mg/L

Daphnia magna, static 48 hr EC50 – 158 mg/L

Acute Algal Toxicity, 72 hr EC/LC50 – 19.3 mg/L

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**XIII. DISPOSAL CONSIDERATIONS**

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**DISPOSAL METHODS: Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Plastic Container Disposal:** Triple rinse container and 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.

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**XIV. TRANSPORTATION INFORMATION:**

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**DOT Transportation:** Not Regulated

**ID NO.:** Not Applicable

**Proper Shipping Name:** Not Applicable

**Marine Pollution #1:** Not Applicable

**Hazard Class:** Not Applicable

**HM 181 Shipping Name:** Not Applicable

**U.S. Surface Freight Class:** Fungicide, Agricultural, NOIBN

**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):**

Y Immediate (Acute Health)

**SEC 302:** Not Applicable

Y Delayed (Chronic Health)

**SEC 304:** Not Applicable

N Fire

**SEC 313:** Vinclozolin (50471-44-8)

N Sudden Release of Pressure

**CERCLA RQ:** 10,000

N Reactivity

**CAA RQ:** Not Applicable

**EPA Registration No.:** 7969-85-10404

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