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

**DATE ISSUED:** 1/28/02  
**SUPERSEDES:** New

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**I. PRODUCT IDENTIFICATION**

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**PRODUCT NAME:** LESCO T-Storm Flowable  
**Chemical Family:** Thiophanate Fungicide  
**Chemical Name/Synonyms:** (dimethyl [1, 2-phenylene) – bis (iminocarbonothioyl)] bis [carbamate]

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**II. COMPOSITION/INFORMATION ON INGREDIENTS**

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CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Thiophanate-methyl	46.2	23564-05-8	Not Listed
Inerts	50 – 54	Not Applicable	Not Applicable

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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:** May be harmful if swallowed, inhaled or absorbed through skin. Causes slight eye irritation. Avoid Breathing dusts or spray mist. Avoid contact with eyes, skin or clothing. Keep out of reach of children.  
**EYE:** Mildly irritating to eyes.  
**SKIN:** Prolonged or repeated skin contact may cause irritation.  
**INHALATION:** Spray mists or dust concentrations may be harmful if inhaled.  
**INGESTION:** May be harmful if swallowed.  
**MEDICAL CONDITIONS AGGRAVATED:** None known  
**POTENTIAL ENVIRONMENTAL HAZARDS:** Toxic to wildlife and domestic animals

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**IV. FIRST AID MEASURES**

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**EYES:** Flush immediately with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.  
**SKIN:** Remove contaminated clothing. Wash area of contact thoroughly with soap and water. Get medical attention if irritation persists.  
**INHALATION:** If symptoms develop, remove person from source of exposure to fresh air. If breathing is difficult, administer oxygen if available. Get medical attention if irritation persists.  
**INGESTION:** If victim is conscious, give 2 glasses of water and induce vomiting by sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.  
**NOTES TO MEDICAL DOCTOR:** Treat symptomatically

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**V. FIRE FIGHTING MEASURES**

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**Flash Point (Method Used):** 201F/94C  
**Lower Explosion Limits:** Not Applicable  
**NFPA/HMIS Rating:** Health: 2  
**EXTINGUISHING MEDIA:**  Foam  Alcohol Foam  Dry Chemical  
 Water Spray  Sand  CO<sub>2</sub>

**Auto Ignition Temperature:** Not Applicable  
**Upper Explosion Limits:** Not Applicable  
**Fire:** 0 **Reactivity:** 0

**EXPLOSION HAZARDS:** Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.  
**FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus with full facepiece; full fire fighting turn-out gear (Bunker gear). Evacuate area and fight fire upwind from a safe distance to avoid hazardous decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.  
**HAZARDOUS COMBUSTION PRODUCTS:** Not known

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**VI. ACCIDENTAL RELEASE MEASURES**

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**RELEASE NOTES:** If material is spilled, clean up spills immediately. Isolate spill area. Keep unnecessary and unprotected personnel from entering. **Small Spill:** Absorb with sand or inert material then sweep up and place in a container for disposal. **Large Spill:** Recover as much free liquid as possible for reuse according to label instructions. Absorb remainder with sand or inert material then sweep up and place in a container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Wear appropriate personal protection equipment.

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**VII. HANDLING AND STORAGE**

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**GENERAL PROCEDURES:** Use only in a well-ventilated area. Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed in Section 13.

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

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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 to keep exposure to airborne contaminants below the exposure limit. Local exhaust ventilation may be necessary to control any air contaminants. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**PERSONAL PROTECTION EQUIPMENT:**

**EYES AND FACE:** Safety glasses with side shields

**RESPIRATORY:** During handling indoors (such as in greenhouses and enclosed plant growing areas) wear a NIOSH/MSHA approved respirator.

**GLOVES:** Waterproof gloves

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

**WORK HYGIENIC PRACTICES:** 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 washables, use detergent and hot water. 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 this product. Wash the 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 Applicable  
**MELTING POINT:** Not Applicable  
**VAPOR DENSITY (air = 1):** Not Applicable  
**ODOR:** Faint sulfur odor  
**APPEARANCE:** Off white, viscous liquid  
**pH:** 5.5 – 6.5

**SPECIFIC GRAVITY:** Not Applicable  
**EVAPORATION RATE:** Not Applicable  
**VAPOR PRESSURE:** Not Applicable  
**SOLUBILITY IN WATER:** Soluble  
**PERCENT VOLATILE:** Not Applicable  
**BULK DENSITY:** 1.12 g/ml (9.35 lb/gl)

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**X. STABILITY AND REACTIVITY**

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**CONDITIONS TO AVOID:** Avoid exposure to high temperatures.

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur

**INCOMPATIBLE MATERIALS:** Oxidizing materials, some copper compounds, lime sulfur, highly alkaline materials

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of nitrogen, sulfur and carbon

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**XI. TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:** (Rabbit) Slight

**SKIN EFFECTS:** (Rabbit) Slight

**DERMAL LC<sub>50</sub>:** (Rat) > 5,000 mg/kg

**ORAL LD<sub>50</sub>:** (Rat) > 5,000 mg/kg

**INHALATION LC<sub>50</sub>:** (Rat) > 10.0 mg/L

**SENSITIZATION:** (Guinea Pig) Non-sensitizer

**ACUTE EFFECTS FROM OVEREXPOSURE:** Mild eye irritant; prolonged or repeated skin contact may cause irritation. May be harmful if swallowed.

**CHRONIC EFFECTS FROM OVEREXPOSURE:** No evidence of Mutagenic data during *in vivo* or *in vitro* studies. Not known to exhibit reproductive or teratogenic (birth defect) effects.

**CARCINOGENICITY:**

**IARC:** Not Listed

**NTP:** Not Listed

**OSHA:** Not Listed

**OTHER:** Listed California Prop 65 - Thiophanate Methyl

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**XII. ECOLOGICAL INFORMATION**

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**ENVIRONMENTAL DATA:** This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

**ECOTOXICOLOGICAL INFORMATION:**

**Fish Toxicity:** (Technical) 96 hour LC<sub>50</sub>, Rainbow trout – 7.8 ug/L

**Avian Toxicity:** (Technical) Oral LD<sub>50</sub>, Bobwhite quail - >5,000 mg/kg

**Bee Toxicity:** Non-toxic

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**XIII. DISPOSAL CONSIDERATIONS**

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**DISPOSAL METHODS: Waste:** pesticide wastes are hazardous. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of in accordance with federal, state and local regulations. **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.

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**XIV. TRANSPORTATION INFORMATION:**

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**DOT Transportation:** Not Regulated

**Proper Shipping Name:** Agricultural Fungicide,  
Liquid, N.O.I.B.N.

**Hazard Class:** Not Applicable

**U.S. Surface Freight Class:** Not Applicable

**Reportable Quantity (RQ):** Not Applicable

**ID NO.:** Not Applicable

**Marine Pollution #1:** Not Applicable

**HM 181 Shipping Name:** Not Regulated

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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)**

N **Delayed (Chronic Health)**

N **Fire**

N **Sudden Release of Pressure**

N **Reactivity**

**EPA Registration No.:** 51036-329-10404

**SEC 302:** Not Applicable

**SEC 304:** Not Applicable

**SEC 313:** Thiophanate Methyl (#23564-05-8)

**CERCLA RQ:** Not Applicable

**CAA RQ:** Not Applicable

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