

## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** ELM Dust Suppressant

**HMIS CODE:** H F R P: 10 0 A

**TRADE NAME AND SYNONYMS:** Dust Control Concentrate

**CHEMICAL FAMILY:** Glyceride Oils

### SECTION I - MANUFACTURER'S IDENTIFICATION

**SOURCE:** Environmental Lubricants Manufacturing, Inc.

**ADDRESS:** 1307 Badger Avenue, Plainfield, IA 50666

**24 HOUR EMERGENCY ASSISTANCE:** Chemtrec: (800) 424-9300

**GENERAL MSDS ASSISTANCE:** (319) 276-4801

**DATE PREPARED:** 06/12/91

**DATE REVISED:** 10/30/02

### SECTION II-COMPOSITION/INFORMATION ON INGREDIENTS

COMPONANT	CAS #	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Soybean Oil	8001-22-7	--	10 mg/m <sup>3</sup>	--	--
Surfactant Mixture	Confidential	--	--	--	--

Hazardous Ingredients: NONE AS DEFINED UNDER THE U.S. OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) OR THE CANADIAN HAZARDOUS PRODUCTS. ACT S.C. 1987, C.30 (PART 1).

THE PRECISE COMPOSITION OF THIS PRODUCT IS PROPRIETARY INFORMATION. A MORE COMPLETE DISCLOSURE WILL BE PROVIDED TO A PHYSICIAN IN THE EVENT OF A MEDICAL EMERGENCY.

SARA HAZARD: NONE NOTED (SECTION 311/312) TITLE III SECTION 313 - NOT LISTED

All components of this product are listed on the TSCA registry.

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING RANGE:** Not applicable

**VAPOR DENSITY:** Exceeds 1.0

**SPECIFIC GRAVITY (H<sub>2</sub>O=1.0):** .920 - .925

**VAPOR PRESSURE:** Not applicable

**PERCENT VOLATILE BY VOLUME:** 0% **SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not applicable

**APPEARANCE AND ODOR:** A pale yellow, oily liquid - only a faint odor.

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**WEIGHT PER GALLON:** 7.70 lbs. at 60F.

### **SECTION IV - FIRE AND EXPLOSION DATA**

**FLAMMABILITY CLASSIFICATION:** Combustible Liquid - Class IIIB.

**FLASHPOINT:** Greater than 550 F (288 C).

**METHOD USED:** Tag Closed Cup.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, dry chemical, foam, sand.

**SPECIAL FIREFIGHTING PROCEDURES:** Avoid use of water as it may spread fire by dispersing oil. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Rags soaked with any oil or solvent can present a fire hazard and should always be stored in UL Listed or Factory Mutual approved, covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustion.

### **SECTION V - REACTIVITY DATA**

**STABILITY:** Generally stable. Spontaneous combustion can occur. See Unusual Fire and Explosion Procedures, Section IV.

**CONDITIONS TO AVOID:** High surface area exposure to oxygen can result in polymerization and release of heat.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITIONS OR BY-PRODUCTS:** Decomposition may produce carbon dioxide and carbon monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

### **SECTION VI - HEALTH HAZARD DATA**

**THRESHHOLD LIMIT VALUE:** As a liquid - none. As oil mist - 10 mg/m<sup>3</sup> total particulate.

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Excessive inhalation of oil mist may affect the respiratory system. Oil mist is classified as a nuisance particulate by ACGIH.

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**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Not classified as a primary skin irritant or corrosive material. Sensitive individuals may experience dermatitis after long exposure of oil on skin.

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Acute: none observed by inhalation.  
Chronic: none reported.

### **EMERGENCY AND FIRST AID PROCEDURES FOR:**

**SKIN CONTACT:** May be removed from skin by washing with soap and warm water.

**EYE CONTACT:** Immediately flush eyes with plenty of cool water for at least 15 minutes. Do NOT let victim rub eyes.

**INHALATION:** Immediately remove exposed individual to fresh air source. If victim has stopped breathing give artificial respiration, get medical attention immediately.

### **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**ENVIRONMENTAL PRECAUTIONS:** Where large spills are possible, a comprehensive spill response plan should be developed and implemented.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate respiratory protection and protective clothing as described in section VIII. Depending on quantity of spill: (a) Small spill - add solid adsorbent, shovel into disposable container and hose down area. Clean area with detergent. (b) Large spill - Squeegee or pump into holding container. Clean area with detergent. In the event of an uncontrolled release of this material, the user should determine if this release is reportable under applicable laws and regulations.

**WASTE DISPOSAL METHOD:** All recovered material should be packaged, labeled, transported, and disposed or reclaimed in accordance with local, state, and federal regulations and good engineering practices.

### **SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Not normally needed. A qualified health specialist should evaluate whether there is a need for respiratory protection under specific conditions.

**VENTILATION:** Handle in the presence of adequate ventilation. Intermittent clean air exchanges recommended, but not required.

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**PROTECTIVE GLOVES:** Not normally needed. However, protective clothing is always recommended when handling chemicals.

**EYE PROTECTION:** Eye protection is always recommended when handling chemicals. Wear safety glasses meeting the specifications established in ANSI Standard Z87.1.

### **SECTION IX - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store away from flame, fire, and excessive heat.

### **SECTION X - DISCLAIMER AND/OR COMMENTS**

We recommend that containers be either professionally reconditioned for re-use by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. "Empty" drums should not be given to individuals.

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