

MATERIAL SAFETY DATA SHEET

Environmental Lubricants Manufacturing, Inc.
1307 Badger Avenue
Plainfield, IA 50666

ELM 80W90 Multi-Purpose Gear Lubricant

HMS: Health - 0, Fire - 1, Reactivity - 0

Date Issued: 10/05/00

Date Revised: 05/31/05

Emergency Phone Number: **(319) 276-4801**

CHEMTREC: **(800) 424-9300**

I. IDENTIFICATION & PHYSICAL DATA

Product Name: ELM 80W90 Multi-Purpose Gear Lubricant
Product Class: Formulated Lubricating
Manufacturer's I.D.: ELM 80W90 Multi-Purpose Gear Lubricant
VOC: None
Solubility in Water: Practically Insoluble
Evaporation Rate: Slower Than Butyl Acetate
Appearance and Odor: Amber oily liquid, faint vegetable oil odor

Percent Volatile by Volume: Not Applicable
Boiling Range: Not Applicable
Vapor Density: Heavier Than Air
Specific Gravity: 0.929
Weight per Gallon: 7.75 lbs. at 60 °F
Vapor Pressure at 20 C: <0.5 mm Hg

II. COMPOSITION/INFORMATION ON INGREDIENTS

	CAS #	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Soybean Oil	8001-22-7	---	10 mg/m ³	---	---
Additive Mixture*	Confidential	---	---	---	---

*The specific chemical identity is being withheld by supplier as a trade secret.
--- Not established

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 (SECNON 311/312) TITLE III SECTION 313 - NOT LISTED
All components of this product are listed on the TSCA registry.

III. FIRE & EXPLOSION DATA

Flashpoint: Not Determined

LEL: No Data

Extinguishing Media:

Use carbon dioxide or dry chemical for small fires; foam for large fires. Do not use water to extinguish, water can disperse the fluid

Unusual Fire & Explosion Hazards: Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.

Special Fire Fighting Procedures: Avoid use of water as it may spread fire by dispersing the oil. : Water may be used to keep fire-exposed containers cool. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

IV. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Fire, excessive heat.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

V. HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion: No specific information available.

Contains materials that may be practically non-toxic.

Inhalation: No specific information available.

Heating can generate vapors that could cause headaches, nausea, dizziness, and respiratory irritation if inhaled.

Skin Absorption: No specific information available.

Contains materials that may be practically non-toxic.

Skin Contact: No specific information available.

Contains materials that may cause skin irritation on prolonged or repeated exposure.

Eye Contact: No specific information available.

Contains materials that may cause eye injury or irritation which may persist for several days.

Chronic Effects of Overexposure: No information available.

Emergency & First Aid Procedures:

Eye Contact:

Flush with plenty of water for at least 15 minutes and seek medical attention if irritation persists.

Skin Contact:

Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

Ingestion:

If appreciable quantities are swallowed, seek medical attention.

Inhalation:

In case of over exposure to fumes if product is heated, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

VI. SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material Is Released or Spilled:

Scoop up and collect for disposal. Absorb any remaining residue with inert material and dispose. Flush area with water.

Spills or releases to the environment may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Waste Disposal Method:

Incinerate or use biological treatment in accordance with federal, state, and local regulations.

VII. SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Wear a properly fitted NIOSH/MSHA approved respirator whenever exposure to vapor from heating product is likely and where ventilation is inadequate.

Ventilation:

Local Exhaust: Recommended when appropriate to control employee exposure.

Mechanical: Not recommended as the sole means of controlling employee exposure.

Protective Gloves: For operations where contact can occur, wear impervious gloves.

Eye Protection: Safety goggles are recommended when handling chemicals.

Other Protective Equipment: For operations where contact can occur, a safety shower and eye wash facility should be available.

VIII. SPECIAL PRECAUTIONS

Store it in a dry place. Keep container closed. Avoid breathing mist and fumes when heating during use.

IX. STATE R-T-K COMPOSITION INFORMATION (and Canada)

Component	CAS #	DSL	NDSL
Soybean Oil	8001-22-7	---	---
Additive Mixture**	Confidential	---	---

**The specific chemical identity is being withheld by supplier as a trade secret.

--- Not determined

X. SARA Title III, Section 313 Information:

This product does not contain any SARA Title III Section 313 chemicals.

XI. RCRA Information

Regulated Waste: No

Disposal Code: ---

XII. CERCLA INFORMATION

Under EPA-CERCLA releases to air, land, or water, which exceeds the reportable quantity, must be reported to the National Response Center (800-424-8802).

This product contains no materials with reportable quantities.

XIII. California Proposition 65 Information:

To the best of our knowledge, this product does not contain any California Proposition 65 designated chemicals.

XIV. Transportation Information

D.O.T. Shipping Name: Not Regulated

D.O.T. Hazard Class: Not Regulated

D.O.T. UN/NA Number: None

XV. Other Information

None

To the best knowledge of Environmental Lubricants Manufacturing, Inc. (ELM), the information contained herein is accurate and reliable as of the date of this material safety data sheet. However no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.