

# ELM Multipurpose Lubricant and Penetrant

## Part Number: SL-120-Plus

### Biodegradable Soy-Based Lubricant



Environmental Lubricants Manufacturing, Inc.

#### DESCRIPTION

ELM Penetrant and Lubricant is a high-performance penetrant and lubricating oil for general purpose use. Formulated with the best optimized USA-grown natural seed oils and select additives, it surpasses the lubricity and performance of conventional lubricants.

#### BIOBASED – BIODEGRADABLE-NON- BIOACCUMULATIVE

Based on evaluation of the base oils and the finished products, the ELM biobased products are designed to be biodegradable, aquatically non-toxic, not-bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all of ELM products are subject to the local ordinances and ultimate responsibility for impact remains with the users.

#### APPLICATIONS

- Multipurpose lubricant and penetrant
- Loosens rusty bolts
- Quiets squeaky hinges and moving parts
- Protects from rust and corrosion
- General purpose cutting, grinding and drilling metals
- Specialized application like milling, tapping, and reaming

#### BENEFITS

- Made from plant oils, better for your health
- Multiple application - Reduces product inventory
- Superior lubricity improves productivity
- Cooler operating and less smoke allow higher operating speeds
- Safe for all metals and does not contain chlorine
- High flash and fire points
- Made from renewable USA-grown crop-based vegetable oils

#### TYPICAL PROPERTIES

	<u>Value</u>	<u>Test Method</u>
Appearance	Amber	Visual
Viscosity @40°C, cSt	38-42	ASTM D 445
Viscosity @100°C, cSt	7-9	ASTM D 445
Flash Point, °C (°F)	240(464)-250(482)	ASTM D 92
Fire Point, °C (°F)	260(500)-270(518)	ASTM D 92
4-Ball Wear, mm	0.47	ASTM D 4172
4-Ball Weld, kg	250	ASTM D 2596
Pin & Vee Block Test	3335 lbs	ASTM D 3233A
Pour Point, °C (°F)	-20 (-4)	ASTM D 97
Rust Prevention (Distilled)	Pass; None	ASTM D 665 A
Rust Prev. (Syn. Seawater)	Pass; None	ASTM D 665 B
Base Oil Biodegradability – OECD 301	Pass	
Base Oil Aquatic Toxicity – OECD 202	Non toxic	
Base Oil Plant Toxicity – OECD 208	Non toxic	

#### PACKAGING

5 Gal. Pails  
55 Gal. Drums  
275 Gal. Totes

#### PRECAUTIONS

ELM PENETRANT AND LUBRICANT IS MANUFACTURED FROM HIGH QUALITY NATURAL SEED OILS AND BLENDED WITH SELECT ADDITIVES. AS WITH ALL LUBRICANTS, GOOD PERSONAL HYGIENE AND CAREFUL HANDLING SHOULD ALWAYS BE PRACTICED. AVOID PROLONGED CONTACT TO SKIN, SPLASHING INTO THE EYES, INGESTION OR INHALING OF VAPOR OR MIST. PLEASE REFER TO THE MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION.

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