

# ELM M-PLEX PLUS W.E.S.C. (Water Emulsifiable Synthetic Coolant)

## Part Number: GUF-180-WE



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### DESCRIPTION

ELM M-PLEX W.E.S.C. (Water Emulsifiable Synthetic Coolant) is a premium bio-stable high performance semi-synthetic water-soluble metal working fluid concentrate. Designed to mix with water, W.E.S.C. forms a stable water-soluble emulsion that provides excellent cooling, lubricity, and rust protection for use in a wide variety of grinding and machining applications. Formulated with the best-optimized USA-grown natural seed oils and select additives, it surpasses the lubricity and performance of conventional metalworking fluids.

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### APPLICATIONS

- General purpose cutting and grinding.
- Milling, tapping, and reaming.
- Gear cutting including: hobbing, gun drilling, broaching and shaping.
- Sharpening high-speed steel and carbide cutting tools.
- Excellent for ferrous material, cast iron and aluminum.

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### BENEFITS

- Bio-stable formulation.
- Mixes easily with water to form stable emulsions.
- Resists foaming, oxidation, and rusting (In some applications fabricated parts may not require any corrosion protection during storage)
- Bacteria and fungal protection extends coolant life.
- Does not contain toxic chlorine or sulfur.
- Less mist generation.
- Cooler operation, which allows higher operating speeds.
- Improves centricity, accuracy and part run-out.
- Extends tool life and reduces chip welding.
- Reduces grinding wheel usage.
- Good operator acceptance-vegetable oil base reduces dermatitis.
- Reduces tramp oil from ways and coolant usage when used in conjunction with ELM Biotechbased™ Way Lubricants.
- Made from renewable USA-grown crop-based vegetable oils.

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### PACKAGING

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

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### PRECAUTIONS

METALWORKING FLUIDS ARE MANUFACTURED FROM HIGH QUALITY NATURAL SEED OILS AND BLENDED WITH SELECT ADDITIVES. AS WITH ALL METALWORKING FLUIDS, 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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RECOMMENDED STORAGE – LONG-TERM INSIDE 45° F - 100°F / 7°C - 38°C