



## FLUID TECHNOLOGY

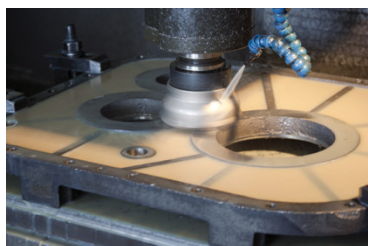
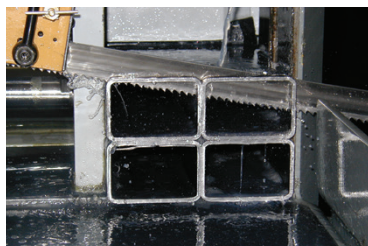
### SYNTECH 250

#### SYNTHETIC METALWORKING FLUID

Formulated for sawing, grinding and light duty machining of ferrous metals such as cast iron, gray iron, and high alloy steel. SYNTECH 250 can also be used for light to medium duty operations on aluminum and copper alloys. This product has very good fines settling characteristics which prevent build up on grinding wheels. It provides an optimum balance of lubricity and detergency for quality finishes on machined parts. A special corrosion inhibitor package gives excellent protection against rust and corrosion of gray iron while leaving a very light, fluid film. By controlling concentration between 3% and 6%, performance characteristics can be optimized.

#### FEATURED BENEFITS:

- Water-based, synthetic, no mineral oil.
- Excellent for sawing, grinding and light duty machining of ferrous and non-ferrous metals.
- Superior corrosion inhibition for ferrous metals.
- Polymers for enhanced detergency/lubrication.
- Clear running fluid enables clear line of sight to tool and part during machining.



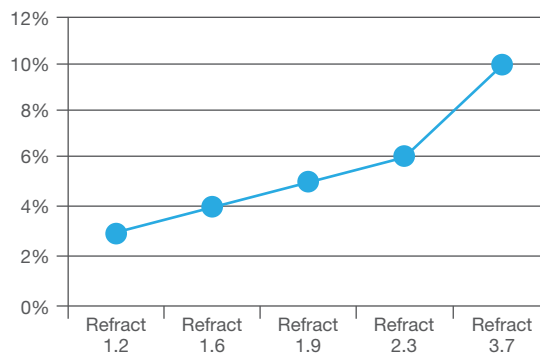
#### MIXING INFORMATION:

SYNTECH 250 metalworking fluid is to be mixed with water for use. The ideal concentration ratio should fall between 3% and 6% and can easily be monitored with a refractometer.

#### RECOMMENDED MIXED PERCENTAGE BY APPLICATION

Sawing	5-6%
Tapping	5-6%
Milling	4-5%
Drilling	4-5%
Grinding	4-5%

#### CONCENTRATE % VS. REFRACT SCALE



## PRODUCT SPECIFICATIONS:

Fluid Type .....	Synthetic
Appearance/Odor .....	Clear Liquid/Mild Chemical Odor
Specific Gravity, 60°F (15.6°C) .....	1.045
Weight, lb/gal., 60°F (15.6°C) .....	8.70
Freezing Point, °F .....	32

*Product remains stable through five (5) freeze/thaw cycles.*

pH (concentrate) .....	9.40
pH (5% dilution) .....	9.00
Alkalinity, concentrate (meq/gram) .....	1.8



## SHIPPING-AVAILABILITY:

SYNTECH 250 is available in 4/1 gallon bottles (case), 5 gallon pails, 55 gallon drums, 275 gallon totes, and bulk quantities.

## SAFETY-DISPOSAL:

Emergency and First Aid Procedures

- **Eye Contact:** If splashed into the eyes, flush with clean water for 15 minutes or until irritation subsides. If irritation persists, call a physician.
- **Skin Contact:** In case of contact, remove any contaminated clothing and wash the skin thoroughly with mild soap and water. If irritation persists, call a physician.
- **Inhalation:** Remove to fresh air. Call a physician immediately.
- **Ingestion:** If ingested, call a physician immediately.

Further information regarding health and safety is available upon request.

SYNTECH 250 should be stored indoors. If it freezes, it should be allowed to come to room temperature before use. SYNTECH 250 contains no harmful or harsh ingredients. All products used in SYNTECH 250 have been registered with the federal government and have assigned CAS numbers. Dispose of in accordance with local authority requirements. Protective eye wear and chemical resistant gloves are recommended when handling SYNTECH 250 concentrate.

## DOT LABELING REQUIREMENTS:

Hazardous Materials Description and Proper Shipping Name  
(49 CFR 172.101): Not a Hazardous Material.  
Hazardous Class (49 CFR 172.101): Not Applicable.

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FLUID TECHNOLOGY

**SAVE MONEY AND  
INCREASE EFFICIENCY  
WITH A REFRACTOMETER!**



\$85 Plus Shipping

**AUTHORIZED DISTRIBUTOR:**

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LAKE SAINT LOUIS, MO 63367  
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WWW.EBERLEFLUIDTECHNOLOGY.COM

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