



INDUSTRIAL FLUIDS

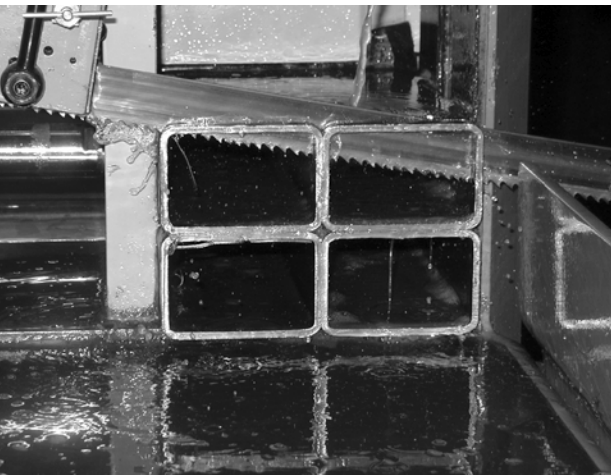
Performance
Precision
Quality

INTELLIGENT SOLUTIONS
MADE BY

Eberle

FLUID TECHNOLOGY

SYNTHETIC METALWORKING FLUIDS



EBERLE SYNTHETIC TECHNOLOGY

- Extremely bio-stable
- Resists rancidity and tolerates hard water for longer sump life, less dumping, and lower maintenance cost
- Designed for use on ferrous, aluminum, and yellow metals
- Low misting and very low foaming
- Excellent rust protection
- Rejects tramp oil for easy removal from system
- Settles chips and fines quickly
- Complete transparency permits continual observation of the workpiece
- Contains no nitrates, phenols, or PCBs



SYNTECH 250

General Purpose Machining, Sawing & Grinding Fluid

BENEFITS

- 5% polymer
- General purpose synthetic machining fluid
- Designed for long coolant life in individual systems
- Ideal for small sumps and systems
- Ideal for fluid recycling systems



SYNTECH 350

Light to Medium Duty Machining, Sawing & Grinding Fluid

BENEFITS

- 8% polymer
- Light to medium duty synthetic machining fluid
- Designed for long coolant life in central systems and individual systems

SYNTECH 450

Medium-Heavy Duty Machining, Sawing & Grinding Fluid

BENEFITS

- 10% polymer
- Medium to heavy-duty synthetic machining fluid
- Designed for long coolant life in central systems and individual systems
- Advanced stable pH capabilities
- Low consumption rate



SYNTECH EP

Heavy-Duty Synthetic Sawing Fluid

BENEFITS

- Full synthetic with a chemical surface-active technology
- Rapid and effective cooling at high speeds and feeds
- Compatible with all ferrous and non-ferrous materials
- Chlorine free and operator safe, utilizes a synthetic ester extreme pressure package
- Provides quality finish on part surfaces
- Biostable with excellent corrosion protection

SEMI-SYNTHETIC METALWORKING FLUIDS

EBERLE SEMI-SYNTHETIC TECHNOLOGY

- Low foaming formulation at all concentrations and at high pressures
- Low oil, micro-emulsion semi-synthetic coolant with excellent hard water stability
- Excellent hard water stability
- Contains no nitrates, phenols, or PCBs
- Rejects tramp oil for easy skimming
- Excellent rust protection

SEMITECH 500

General Purpose Machining, Sawing & Grinding Fluid

BENEFITS

- Bio stable package to reduce “Monday Morning” odor
- No sulfur or chlorine
- Safe on ferrous and non-ferrous alloys

SEMITECH 650

Medium-Duty Sawing Fluid

BENEFITS

- Increased bio-stability package for longer sump life and reduced changeout which in turn provides lower maintenance costs
- Micro-emulsion fluid that runs clear and clean
- Ideal for central systems and large individual sumps
- Settles chips and fines quickly
- Excellent for automatic and CNC equipment
- No sulfur or chlorine

PROTECH 1000 EP

Heavy Duty Machining, Sawing & Grinding Fluid

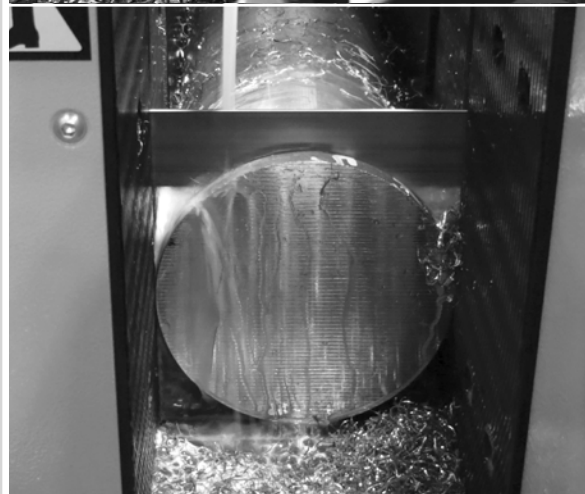
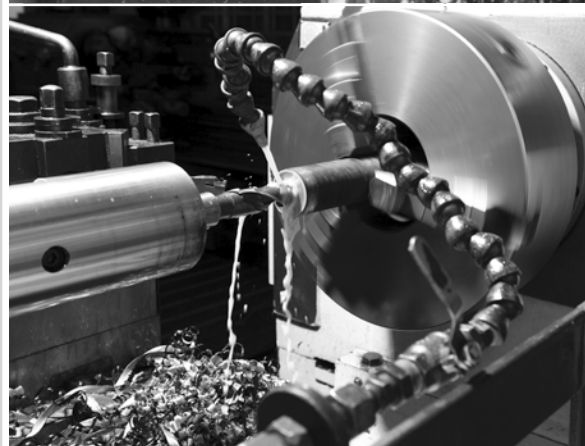
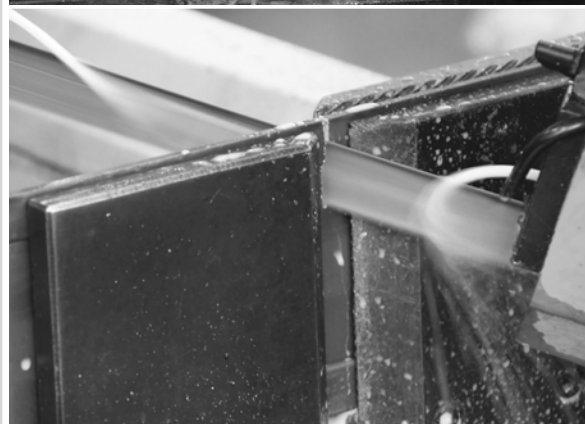
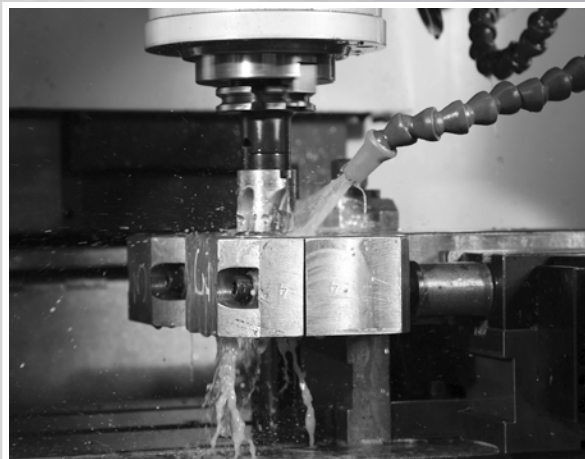
BENEFITS

- Contains a superior lubricity package and chlorinated extreme pressure additive that protects tooling and extends tool life
- Permitting increased feeds and speeds, in medium to heavy duty metal removal operations
- Extraordinary microbial control, providing increased sump life and reduction in disposal costs
- Protects non-ferrous metals from staining and prevents bi-metallic corrosion
- Designed to reduce carryout and plating
- Contains renewable based vegetable esters which provide enhanced lubricity and emulsion stability

PROTECH 1000 CF

Heavy Duty Machining, Sawing & Grinding Fluid

A chlorine-free version using synthetic esters for extreme pressure with all the same benefits of PROTECH 1000 EP.



SOLUBLE OIL METALWORKING FLUIDS



EBERLE SOLUBLE OIL TECHNOLOGY

- Superior foam control
- Designed to reduce carryout and plating
- Contains superior lubricity package that protects tooling and extends tool life in medium to heavy duty metal removal operations
- Extraordinary microbial control, providing increased sump life and reduction in disposal costs
- Chlorine-free, water-soluble metalworking fluid
- 1:1 Dilution

SOLTECH 100

General Purpose Machining, Sawing & Grinding Fluid

BENEFITS

- Hard water stability
- Soluble oil for higher boundary film lubrication

SOLTECH 602

Heavy Duty Machining, Sawing & Grinding Fluid

BENEFITS

- Protects non-ferrous metals from staining and prevents bi-metallic corrosion
- No formaldehyde releasers, triazine, or nitrates
- Rejects tramp oil for easy skimming
- Universal soluble oil metalworking coolant
- Multi-metal compatible — one product satisfies all machining requirements
- Excellent for gun drilling and other high pressure applications

COOLANT APPLICATION GUIDE

COOLANT	COOLANT TYPE	CHLORINE	CAST IRON	CARBON STEEL	TOOL STEEL	STAINLESS STEEL	TITANIUM & NICKEL ALLOYS	ALUMINUM	BRASS, BRONZE & COPPER	MAGNESIUM
SYNTECH 250	Synthetic	NO	Superior	Good	Good	N/R	N/R	Good	Best	N/R
SYNTECH 350	Synthetic	NO	Superior	Best	Best	N/R	N/R	Best	Best	N/R
SYNTECH 450	Synthetic	NO	Superior	Better	Better	N/R	Good	Better	Better	N/R
SEMITECH 500 & 650	Semi Synthetic	NO	Best	Better	Better	Good	Good	Better	Good	N/R
PROTECH EP 1000	Semi Synthetic EP	YES	Better	Best	Best	Best	Best	Best	Best	N/R
PROTECH CF 1000	Semi Synthetic EP	NO	Better	Best	Best	Best	Best	Better	Best	N/R
SOLTECH 100	Soluble Oil	NO	Good	Good	Good	Good	Good	Good	Good	Good
SOLTECH 602	Soluble Oil	NO	Superior	Superior	Superior	Superior	Superior	Superior	Superior	Better

This is a material application guide relating to coolant properties, not overall quality and competitiveness of our products.

MINIMUM QUANTITY LUBRICANTS

EBERLE MQL* TECHNOLOGY

**(MQL) Minimum Quantity Lubricants*

- Non-toxic, low odor, and operator friendly
- High flash point, reduced smoke and misting
- Excellent lubricity and film strengths
- Replaces flood coolant
- VOC compliant with California Rule 1144

CLEAN LUBE V2000

BENEFITS

- 100% biodegradable, vegetable, and renewable
- No hazardous volatile organic compounds
- No odor
- Viscosity 10 cSt at 40° Celsius

CLEAN LUBE A2200

BENEFITS

- Excellent for aluminum applications
- Alcohol based
- No residues
- Smoke free
- Contains no chlorine, silicone or sulfur
- Enhanced tool life, reduction of burrs, oversized holes, and rough finishes
- Viscosity 20 cSt at 40° Celsius

CLEAN LUBE 3000

BENEFITS

- Full synthetic based polymer
- Minimal residues
- Higher lubrication volume for more difficult operations and stronger alloys
- Viscosity 30 cSt at 40° Celsius

CLEAN LUBE HD

*Heavy Duty Spray Mist Lubricant (MQL)**

BENEFITS

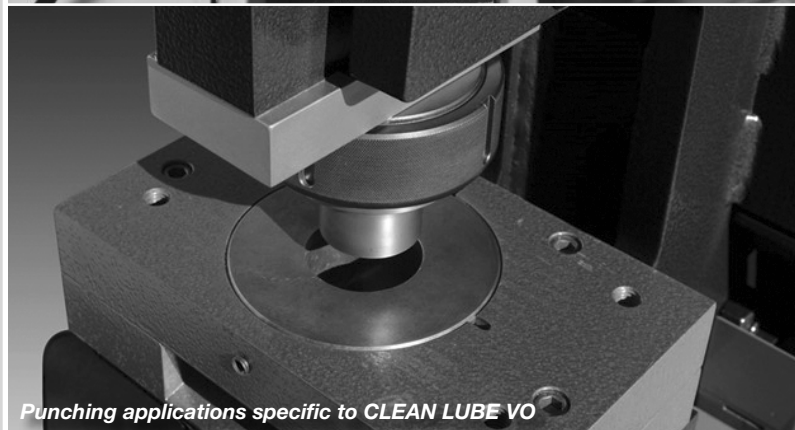
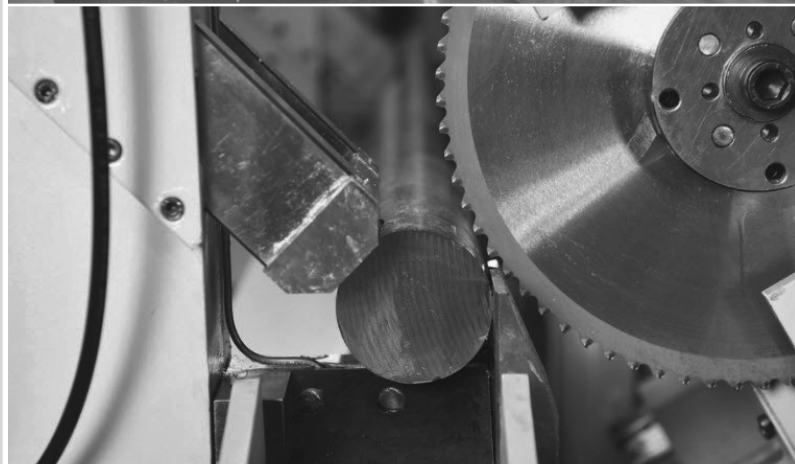
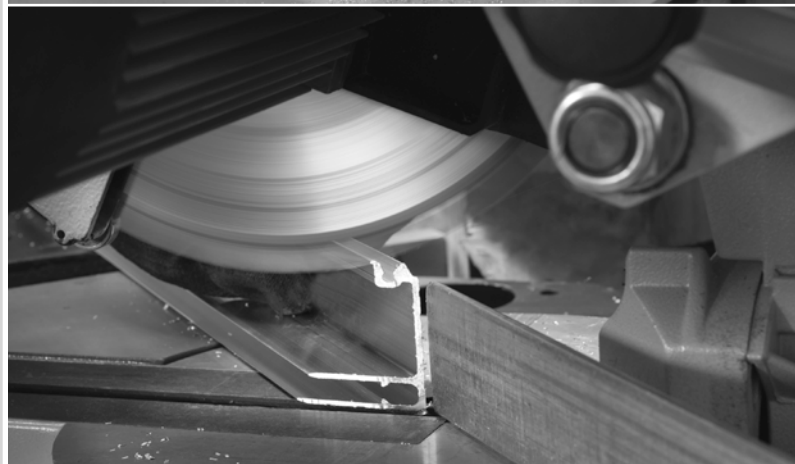
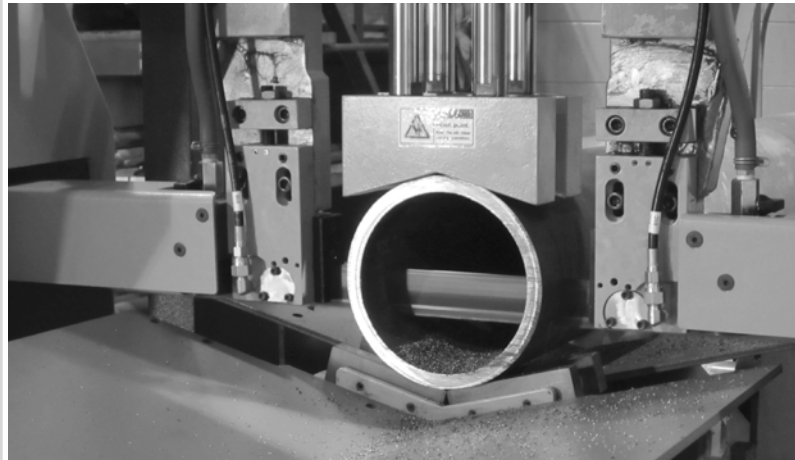
- Excellent for machining, milling, and tapping applications
- High flash point, reduced smoke and misting
- No residues, 100% biodegradable & environmentally friendly
- Excellent lubricity and film strengths

CLEAN LUBE VO

Vanishing Oil

BENEFITS

- Eliminates costly cleaning and disposal operations required with conventional oils
- Stays on the part through the stamping and punching operation, then evaporates
- Reduces contamination of parts cleaning systems
- Low viscosity minimizes carry-off on parts



Punching applications specific to CLEAN LUBE VO

CLEANERS AND CONDITIONERS



SUMP DOCTOR RX

Machine and Sump Cleaner for Metalworking Fluid Systems

BENEFITS

- High-detergency, water-based, alkaline system cleaner
- Universal, can be used in both synthetic and oil containing systems
- Low use concentration
- Safe on all metals
- In-process cleaning as well as full Dump, Clean, Recharge (DCR) applications
- Safely and effectively removes inorganic, organic, and biological residues and deposits
- Treatment is 3–5% of total sump volume
- Versatile cleaner, can be used to wipe down machines and floors

SUMP CONDITIONER X5

Machine and Sump Conditioner for Metalworking Fluid Systems

BENEFITS

- Conditioner used to rejuvenate used coolants
- A combination of special low foam surfactants, pH stabilizers and corrosion preventative
- Exhibits excellent fluid pH buffering capacity
- Eliminates odors caused by microbial activity
- Water soluble and hydrocarbon emulsifiable
- Treatment is 2.5 gallons per 1000 gallons of diluted coolant.
- Highly concentrated formula. Treatment is 2.5 gallons per 1000 gallons of diluted coolant.
- Safe in synthetic and oil containing aqueous metalworking systems

ORANGE CLEANER

Multi-Purpose Cleaner and Degreaser Concentrate

BENEFITS

- Biodegradable
- Pleasant Orange odor
- 100% fireproof, while emitting no toxic fumes
- Non-abrasive and effective in cold and hot water
- Reduces scrubbing and rinsing
- Saponifies oil and grease for thorough rinsing and prevents the redeposition on clean surfaces
- Cost effective 1:1 to 120:1 dilution, depending on use
- Can be applied by mop, brush, soak tank, spray, pressure sprayer, or floor scrubbing machines

FORMING, FABRICATING & WELDING

DYNAFORM 3000

Synthetic Tube and Pipe Forming Lubricant

BENEFITS

- Synthetic microemulsion with superior lubrication values without the use of mineral oils, chlorine, or sulfur
- Extraordinary microbial control, providing increased sump life and reduction in disposal costs
- Designed for a variety of applications in tube and pipe forming; including roll forming, thread cutting, hydrotesting and cut off saws
- Superior foam control
- Rejects tramp oil for easy skimming
- Clean rinsing and designed to reduce carryout and plating; so you produce cleaner parts and lower usage

DYNAQUENCH

Synthetic Cutting Table Fluid

BENEFITS

- Low foaming, water-soluble, synthetic corrosion inhibitor
- Biologically stable, resists bacteria and odors
- Concentrated formula for highly economical dilution ratios
- Excellent stability for a long system life
- Provides enhanced lubricity for tool life and superior finish
- Contains no oil, nitrites, chlorine, silicone and sulfur

ANTI-WELD SPATTER*

Synthetic Anti-Weld Spatter

NOZZLE GEL**

Welding Nozzle Gel

RP-200-SL*

Solvent Based Rust Inhibitor

RP-90-SN*

Synthetic Rust Inhibitor

RP-8-WS*

Water Soluble Rust Inhibitor

RUSTICIDE*

Premium Rust Remover

ORANGE CLEANER*

Ready To Use Multi-Purpose Cleaner



* These products available in Ready To Use sizes of 32oz spray bottles and cases of twelve 32oz bottles in addition to cases of our 1 gallon bottles, 5 gallon pails, and 55 gallon drums.

** Nozzle Gel only available in 16oz jars and cases of twelve 16oz jars.





All products available in bulk, 330 and 275 gallon totes, 55 gallon drums, 5 gallon pails, and cases of 4 one gallon bottles.

CUSTOMER SERVICE – YOUR BENEFIT.

Put your trust in our experience

Our international distribution network is based on long-standing partnerships with top-notch fluid specialists who help solve your specific questions regarding various applications.

To place an order, please contact either your regional Eberle Distribution Center (EDC), local distributor/salesman or get in touch with our headquarters in Lake St. Louis, Missouri.

On our website www.eberlefluidtechnology.com you can find the latest product information as well as an overview of our current trade show dates.

Training

We offer fluid maintenance training to your company upon request. Just contact your Authorized Eberle Fluid Technology Distributor or get in touch with our headquarters.

Technical advice

Should you have any questions about metalworking fluid applications or ways to optimize tooling processes, Eberle Fluid Technology's expert team will provide competent support.

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We look forward to your call.

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