



## Your Single Source Supplier For Metalworking Fluids

Machining/Grinding Coolants  
Minimum Quantity Lubricants  
Metalforming & Tube  
Bending Fluids  
Wiredrawing Lubricants  
In-Process &  
Maintenance Cleaners  
Rust Preventatives  
Maintenance Fluids  
Finishing Products

# Machining & Grinding Coolants

## Renewable (Green)

### ADVANCE 6030BP (Aerospace Approved)

A low foaming, high performance, botanical metalworking fluid for machining and grinding of ferrous and non-ferrous metals.

### ADVANCE 6030C

A heavy-duty, high-performance, botanical metalworking fluid for machining and grinding of ferrous, non-ferrous metals and copper alloys.

### ADVANCE 6035-EP

A heavy-duty version of ADVANCE 6030C. The ideal choice to replace chlorinated soluble oils used to machine aluminum, especially small hole-tapping aluminum.

### ADVANCE 7150

A light to medium-duty, high performance, botanical metalworking fluid for machining and grinding of ferrous, and non-ferrous metals.

## Synthetic

### METCHEM 6470

A medium/heavy-duty synthetic coolant chemically engineered to machine and grind ferrous and non-ferrous alloys.

### METCHEM 6020

A bio-stable heavy-duty synthetic machining and grinding coolant for any alloy except for magnesium.

### METCHEM 6960

A light synthetic machining and grinding coolant for all metals including cast iron.

### METCHEM 6992 (Aerospace Approved)

A bio-stable, true solution, oil free, machining and grinding fluid.

### METGRIND 656

A synthetic carbide grinding fluid developed to significantly reduce the leaching of cobalt in cutting tools, inserts, and dies.

## Semi-Synthetic

### SYNSOL 7000

A high-performance, heavy-duty, bio-stable, metalworking fluid for machining and grinding of ferrous and non-ferrous metals.

## Soluble Oil

### METSOL 9000

A high-performance, heavy-duty, bio-stable, water-soluble coolant for machining and grinding of ferrous and non-ferrous metals.

### METSOL 9250

A high-performance, non-chlorinated, micro emulsion coolant for machining and grinding of ferrous metals.

## METGRIND Precision Grinding Fluids

A series of high-performance grinding fluids formulated with highly-refined, pure petroleum and synthetic base stocks that deliver exceptional resistance to oxidation for superior stability and filterability.

### METGRIND 8865

Specially formulated for carbide grinding.

METGRIND	15	22	32	46	68	8865
API Gravity, 60° F	34.1	34.3	34.8	32.6	31.8	48.9
Viscosity @ 40° C, cSt	15	23	31	44	67	3.5
Viscosity @ 100° F, SUS	78	108	155	220	340	38
Flash Point, °F	350	375	420	445	445	266

## SWISSKUT Swiss Machining Fluids

High-performance cutting and machining fluids formulated with renewable synthetic base stocks. These cutting fluids are operator friendly and safer due to the high flash point and reduced skin sensitivity. SWISS fluids provide exceptional resistance to oxidation for superior stability and fluid life.

SWISSKUT	8770	8772	8773
API Gravity, 60° F	32.5	34.3	35.8
Viscosity @ 40° C, cSt	11	22	31
Viscosity @ 100° F, SUS	65	107	155
Flash Point °F	430	430	435
Density, lbs/gal	7.19	7.45	7.61

## EDM Fluids

### METEDM 769

A high purity mineral oil electrical discharge machining fluid.

### METEDM 8870

A clear, synthetic electrical discharge machining fluid with a high dielectric strength and oxidation resistance to give maximum performance and fluid life.

METEDM	769	8870
API Gravity, 60° F	49	48.9
Viscosity @ 40° C, cSt	3	3.5
Viscosity @ 100° F, SUS	39	38
Flash Point °F	280	266



## Specialty Fluids

### TAPEZE X-2

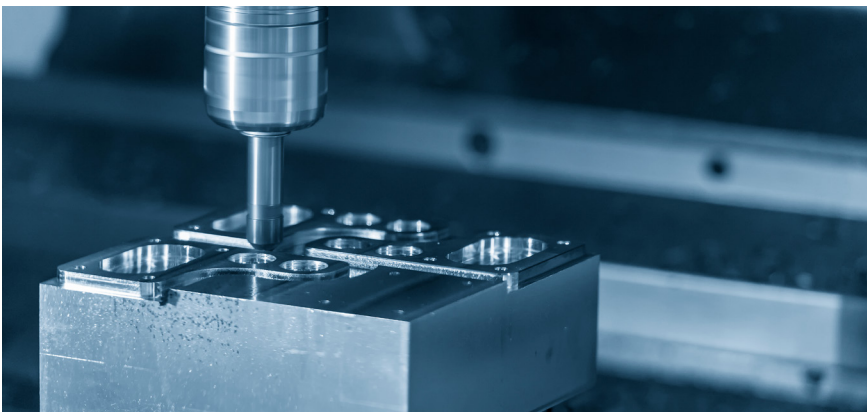
An EP fortified paste for tapping all metals.

### TAPEZE X-3

A high-viscosity, EP fortified tapping and cutting fluid that is safe for all metals.

### Threadwell

A multi-purpose EP fortified threading lubricant for ferrous metals for tough threading jobs.



## Minimum Quantity Lubricants (MQL)

### Microlubricants

#### ML-33

A light to medium-duty minimal quantity lubricant for soft metals.

#### ML-300

A heavy-duty MQL for both steel and aluminum and it is the lubricant of choice for machining mixed metals.

#### ML-450

The ideal choice for medium-duty machining of steel and aluminum alloys.

#### ML-600

A light to medium-duty MQL for machining of soft metals.

#### ML-605

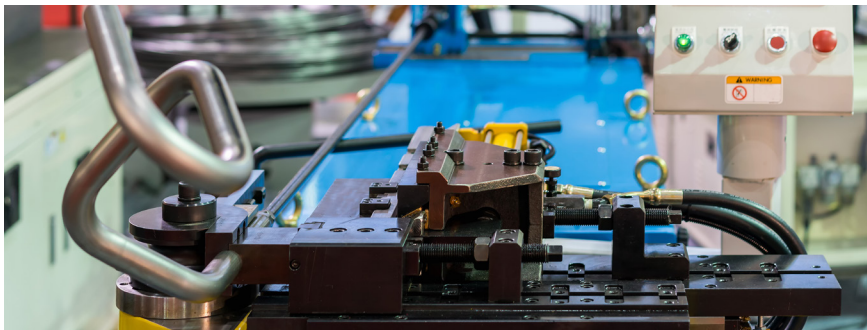
A heavy-duty MQL for bending stainless steel and aluminized tubes.

#### ML-700

A heavy-duty MQL lubricant for cutting and forming of all metals.

#### ML-725

A heavy-duty MQL that is the ideal choice for machining of mixed metals.



## Metalforming and Tube Bending Fluids

### Soluble Oil

#### METDRAW 880B

A medium to heavy-duty soluble oil for drawing and stamping.

#### METDRAW 51900

A heavy-duty soluble oil drawing and stamping fluid. It is a versatile product, designed for forming and drawing operations on difficult ferrous alloys.

### Synthetic Fluids

#### METCHEM 6620 (Nissan approved)

A highly-concentrated, synthetic lubricant designed for heavy-duty metalforming operations on ferrous and non-ferrous metals.

#### METCHEM 6580

A botanical based lubricant for light to medium-duty applications on non-ferrous metals.

### Renewable (Green)

#### ADVANCE 6124

A heavy-duty, biodegradable lubricant for all metals including hard alloys. This is a lighter version of ADVANCE 6120.

#### ADVANCE 6120

An ultra-heavy-duty, biodegradable lubricant with exceptional corrosion protection properties. Designed for the most severe of operations.

#### ADVANCE 6122ST

A heavy-duty, biodegradable lubricant that has excellent corrosion and stain protection for stacked parts.

#### ADVANCE 6110

An oil-free, biodegradable metalforming lubricant composed of renewable resources.

#### ADVANCE MF-127

Designed for metalforming operations for aluminum and steel. Ideal choice for end forming aluminum.

#### ADVANCE 6880

An ultra-heavy-duty, high-viscosity, biodegradable metalforming lubricant for severe operations.

### Tube Bending

#### ADVANCE 6170

An environmentally friendly metalforming lubricant designed to bend fabricated stainless steel tubing for the HVAC, automotive, aerospace, and appliance industries.

#### METDRAW 5620

A metalforming lubricant designed to bend fabricated stainless steel tubing for the automotive and appliance industries where EP is needed.

#### METDRAW 51805 UHV

An oil-based tube bending lubricant developed to bend tough alloys without the use of halogenated materials or other environmentally impactful additives.

## Vanishing Oil

### METDRAW 528

A low-viscosity, vanishing lubricant, for light-duty stamping and forming of ferrous and non-ferrous metals. MD528 is non-staining and leaves no residue on parts.

### METDRAW 709

A versatile, light-viscosity, medium-duty, evaporative stamping lubricant.

### METDRAW 711

A low-viscosity vanishing lubricant, containing a proprietary blend of lubricity additives.

## Wiredrawing Lubricants

### DRY “Soap Free” LUBRICANTS

#### WireWorks 10005 (Green)

Bull block or skin pass drawing of ferrous metals without dusting or caking. Directly annealable without post cleaning.

#### WireWorks 10027 (Green)

Exceptionally clean drawing of mixed metals at variable speeds. Directly annealable without post cleaning.

#### WireWorks 10073

Exceptionally clean, drawing in single-pass, skin pass and multi-die drawing. Directly annealable without post cleaning.

### WET LUBRICANTS

#### ADVANCE 5270HV (Green)

Excellent for high-speed multi-die drawing of high carbon steels and exotic alloys.

#### METDRAW C-WD (Green)

Wet drawing of copper and aluminum. Exceptionally clean and biostable with long sump life.

#### WireWorks 50500

A biostable copper wire drawing lubricant composed of natural renewable resources.

## Process and Maintenance Cleaners

### Process Cleaners

#### METKLEEN 2080

A low-alkaline, all-purpose cleaner for all metals with high detergency and soil suspending properties, with built-in RP.

#### METKLEEN 2090

A low-alkaline, aqueous spray wash cleaner for soft metals.

#### METKLEEN 2120

A low-alkaline, aqueous hot-tank cleaner for soft metals with a unique surfactant chemistry that optimizes detergency and oil “split-out” from the cleaner bath for improved waste treatment.

#### METKLEEN 2150

A high-alkaline, heavy-duty spray wash aqueous cleaner for ferrous metals that require removal of difficult soils and/or oils at low temperatures. Ideal choice to replace solvent-based cleaners.

#### METKLEEN 2160

A low-temperature, general-purpose alkaline cleaner for ferrous and non-ferrous metals, formulated with an exceptional corrosion protection package.

#### METKLEEN 2200 (Acid Cleaner)

An acidic cleaner to clean, deoxidize, descale, de-rust, and remove corrosive deposits on ferrous and non-ferrous metals.

#### METKLEEN 2480

A neutral pH rust removing solution, which works quickly to remove oxidation on ferrous metals.

#### Powder Coat Prep

A truly unique product that will clean, degrease, and etch metal surfaces all in one step. An iron phosphate cleaner and conversion coating for use on ferrous, aluminum zinc, and stainless alloys.

## Metal Finishing Products

### METKLEEN BC-300X

Burnishing fluid - Mild Acid and Low foaming can be used on most metals. Exceptions Metal(s): Magnesium

### METKLEEN 522

Cleaning Compound - Alkaline based cleaning and burnishing compound. Uses: Ferrous metals, Non-Ferrous metals, and all Vibratory Media.

### METKLEEN 521

A mild alkaline, low foaming compound formula. Designed for use in vibratory finishing applications. Formulated and designed to provide excellent color and brightness on zinc, aluminum die casting, phosphor, bronze and many other alloys. This product is good for general purpose polishing and deburring for both ferrous and non-ferrous metals.



## Maintenance Cleaners

### METKLEEN 907

A low-foaming water-extendable metal cleaner for cleaning aluminum from punches.

### METKLEEN 2140

A heavy-duty floor and all-purpose cleaner that cleans and deodorizes heavily soiled surfaces.

### METKLEEN 2420

A heavy-duty sump cleaner and general maintenance cleaner to remove tough oils, greases, and shop soils.

### METKLEEN 9 (Green)

A VOC Exempt, low pH, hard-surface cleaner to replace high-VOC cleaners in industrial cleaning processes. This “green” cleaner reduces surface tension and enhances rinsing properties.



## Hand Washing

### ADVANCE BOTANICAL HAND CLEANER

A heavy-duty waterless or water-dilutable cleanser for hand washing in the machine shop or any industrial facility.



## Rust Preventatives

### Renewable (Green)

#### METCOR 71

A botanical-based environmentally friendly, corrosion preventative that is both bio-degradable and chemically neutral.

## Solvent-Based

#### METCOR 47

A solvent-based corrosion preventative ideal for all types of finished parts and can be used for overseas shipment due to the salt spray protection.

#### METCOR 57

A solvent-based corrosion preventative for long-term indoor protection of ferrous and non-ferrous metals.

#### METCOR 746

An indoor, dry-to-the-touch, vanishing corrosion preventative.

## Oil Based

#### METCOR 55-A

A long-term, indoor corrosion preventative with lubricating and water displacing properties.

#### METCOR 908

A light mineral oil based corrosion preventative for up to 18 months indoor storage.

## Water Based

#### METCOR 52 (Green)

An oil-free, biodegradable indoor corrosion preventative for all metals.

#### METCOR 66

An oil-free, water based corrosion preventative for in-process rust protection on steels and cast irons.

## Maintenance Fluids

### HYDRAULIC FLUIDS

Premium ISO grade anti-wear, rust and oxidation-inhibited hydraulic oils blended from high quality paraffinic base stock. Available in ISO 32 through ISO 220 grades.

### WAY LUBRICANTS

Fortified with a blend of refined lubricating oils and anti-wear additives specifically designed to provide maximum lubricity and long service life. Available in ISO 32 through ISO 220 grades.

### GEAR OILS

A blend of refined lubricating oils, rust and oxidation inhibitors and extreme pressure additives. Available in various ISO grades as required.

### AIRLINE LUBRICANTS

Exceptionally clean, low viscosity oils designed to lubricate and protect a variety of pneumatic and hand tools.

### MET SPINDLE LUBRICANTS

High quality spindle bearing oils developed for the lubrication of high-speed spindle bearings in machine tools. Available in various ISO grades as required.

### MET CHAIN & CABLE LUBRICANT

A moly base lubricant that penetrates the pin linkage in the roller chain. Non-sticky, tacky, and doesn't attract dust or sand particles.

### METCOAT 10

A moly base heavy duty, penetrating, dry film lubricant for high-temperature chain and cable use. Heat resistant.

## Equipment

### Refractometer

### Titration Kits



# One Source. One Solution. One World.

One Source: Metalloid is your single source supplier for “green” lubricants and metalworking fluids.

One Solution: Innovative solutions designed to address tough challenges with trouble-free products.

One World: Commitment to doing our part for the planet by manufacturing products that are friendly to life and the planet we share.



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## Professional Associations

