

# ADVANCE™

*Botanical Metalworking Lubricants*



**Your Single  
Source Supplier  
for Renewable  
“Green”  
Metalworking  
Fluids**

Machining &  
Grinding Coolants

MicroLubricants

Metalforming Lubricants

VOC-Free Vanishing Lubricants

Wire Drawing Lubricants

Corrosion Preventatives

Maintenance Lubricants

Industrial Cleaners



# RENEWABLE ALTERNATIVES

## Machining & Grinding Coolants

### ADVANCE 6030 BP

A low foaming, high performance, botanical metalworking fluid for machining and grinding of ferrous and non-ferrous metals. **ADVANCE 6030 BP** has a unique blend of botanical additives and boundary lubricants that provide proven performance on difficult machining and grinding operations. **ADVANCE 6030 BP** is formulated to provide exceptional rust protection.

### ADVANCE 6035-EP

A heavy-duty, high-performance, botanical metalworking fluid for machining grinding of ferrous, and non-ferrous metals. The product has a unique blend of botanical additives and boundary lubricants that provide proven performance on difficult machining and grinding operations. It has exceptional rust protection and an is ideal choice for replacing chlorinated soluble oils.

### METCHEM 6992

A bio-stable, true solution, oil free, synthetic grinding and machining coolant. It provides exceptional fine settling, rust protection, and oil splitting properties along with being virtually non-foaming. **METCHEM 6992** was developed with an enhanced ability to wet the work piece and tooling to deliver enhanced cooling ability. The result is a coolant that better protects the tool and part from the extreme heat to provide longer tool life and the ability to hold tighter tolerances for the work piece.

### METCHEM 6020

A highly concentrated, synthetic lubricant designed for heavy-duty metalforming operations on ferrous and non-ferrous metals. The unique formulation of **METCHEM 6620** is designed as a base lubricant and sold in pre-determined, specific dilutions depending on application.

## Metalforming

### ADVANCE 6124

A heavy-duty biodegradable metalforming lubricant for the most severe of operations. **ADVANCE 6124** is a unique, no oil, renewable resource formulation that will provide the operator with benefits that are unattainable with traditional oil-based lubricants. **ADVANCE 6124** is the ideal choice for heavy-duty stamping, blanking and deep drawing operations on all metals including the hardest alloys.

### ADVANCE 6110

Is a oil free, biodegradable metalforming lubricant composed of renewable resources. The unique 'botanical green' chemistry affords the ultimate in lubricity, personal safety and environmental compatibility. This state-of-the art formulation provides manufacturing and operator benefits that are unattainable with traditional oil based lubricants. **ADVANCE 6110** is the optimum choice for heavy-duty metal stamping, blanking and deep drawing operations on all metals.

### METCHEM 6620

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

### ADVANCE 6580

Is designed specifically for metalworking and metal forming of aluminum. It provides high level lubricity performance; which can offset the use of conventional chlorinated additives. This product will enhance performance in aluminum metalworking applications which utilize a water soluble design. It does not contain petroleum oil, chlorine or sulfur. It is non-toxic and environmentally compatible. **ADVANCE 6580** is water-white and water-thin. It is particularly recommended for thin-gauge aluminum jobs where an invisible residue and viewing of the work piece is preferred.

## SWISSKUT Swiss Machining Fluids Corrosion Inhibitor

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	8910	8915	8922
API Gravity, 60° F	.824	.817	.824
Viscosity @ 40° C, cSt	98	11.4	22
Viscosity @ 100° F, SUS	58	64	107
Flash Point °F	392	363	365

### METCOR 52

Is an oil free, biodegradable, indoor corrosion preventative for all metals, **METCOR 52** uses "Green Chemistry" derived from botanical renewal resources. **METCOR 52** is both people and earth friendly without sacrificing performance.

## Industrial Maintenance

### BIOWELD ANTI SPATTER SPRAY

Reduces downtime due to spatter build-up, and provides instant shielding action. Will not affect surfaces to be painted. Highly heat resistant. Applied as directed, this spatter inhibitor is flowproof and will not spread beyond the point of impact.



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