

# MULLEN CIRCLE BRAND

## SOLUBLE OIL *#1500 Series*

**Mullen  
Circle Brand  
Blended Products:**

*Cutting Oils  
Circle Cut #729  
Soluble Oils  
Synthetic Coolants*

*Semi-Synthetic Coolants  
Rust Preventives  
Cleaners  
Grease*

*Hydraulic Oil  
Compressor Oil  
Gear Oil  
Way Oil*

*Spindle Oil  
Machine Oil  
Synthetic Oil*

*Made In U.S.A.*



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### *All Purpose Water Soluble Oils Lowest Irritation Risk*

**#1500 Soluble Oils** include four products covering applications from grinding to heavy duty machining.

**#1500 Soluble Oils** emulsify to form a pristine white emulsion upon addition to water. Typical treat rates are 5-10% for machining and 2-5% for grinding. Rust Protection and detergency are outstanding to keep parts and machinery clean.

**#1500 Soluble Oils** are multi-metal safe, ph balanced to minimize irritation risk and contain state of the art biocides to keep bacteria in check.

Most Popular Product -> #1594B Soluble Oil

*More ==>*

**...Providing Solutions To Industry Since 1912...**



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## WATER SOLUBLE OILS– #1500 SERIES

	#1550B	#1585B	#1592B	#1594B
<b>Application</b>	Light Machining; Grinding	Medium Machining; Grinding	Medium Machining	Heavy Machining
<b>Color, Concentrate</b>	Brown	Brown	Brown	Brown
<b>Color, Dilution</b>	White Emulsion	White Emulsion	White Emulsion	White Emulsion
<b>Odor</b>	Oil	Oil	Oil	Oil
<b>Flash Point, F</b>	400	400	400	400
<b>Hard Water Stable</b>	Yes	Yes	Yes	Yes
<b>Multi-Metal Safe</b>	Yes	Yes	Yes	Yes
<b>Aluminum Stain</b>	None	None	None	None
<b>Ph, 5%</b>	8.8	9.0	8.7	9.0
<b>Refractometer Factor</b>	1.0	1.0	1.0	1.0
<b>Sulfur</b>	No	No	No	No
<b>Chlorine</b>	No	No	Yes	Yes
<b>Fat</b>	Yes	Yes	Yes	Yes
<b>Treat Rate</b>				
Grinding	2-5%	2-5%		
Machining	5-10%	5%	5%	5%

**Mullen Circle Brand** strives to help our customers manage their lubricant inventory efficiently. We see it to be our responsibility to help with potential purchasing efficiencies, product consolidation opportunities, material handling options and assist with the regulatory burden.

To this end, **Mullen Circle Brand** now offers nonhazardous waste pickup services to our customers. Ask your salesperson for more information on this or any other **Mullen Circle Brand** product or service.

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**Cutting Fluids \* Industrial Lubricants \* Greases \* Cleaners**

The Information Given Herein Is Believed To Be Reliable, But No Guarantee Is Made Nor Liability Assumed.