



Mac-Cool Soluble Oils

Dyna-Plex 21C® Mac-Cool Soluble Oils are water-dilutable metalworking fluids with high oil content and a balanced additive blend. All products in the series are chlorine-free and possess excellent cooling and lubricating properties. They are formulated to resist biological growth and provide long sump life. Dyna-Plex 21C Mac-Cool Soluble Oils are recommended for a wide range of machining applications on ferrous and non-ferrous metals. These soluble oils can be used with soft or hard water, provide in-process rust protection, and are non-foaming in high-pressure applications.

Mac-Cool 301 is an economical, general-purpose soluble oil for light-to-moderate-duty machining applications on steel and aluminum.

Mac-Cool 532 is a premium soluble oil for moderate-to-heavy-duty machining applications on steel and aluminum. It forms stable emulsions in both soft and very hard water. Mac-Cool 532 is blended from high quality base oil, lubricity additives, wetting agents, biocides, and rust inhibitors.

Mac-Cool 532T exhibits all the performance characteristics of Mac-Cool 532. Additionally, Mac-Cool 532T is specially formulated for superior non-staining performance on copper and brass.

Fluid Maintenance:

The refractometer multiplier for all fluids is 1.0. Check concentration daily. Use at 5% – 10% for machining and 3% – 5% for general-purpose grinding applications. Use tramp oil separators for best results and consult the SDS before use.

<u>PROPERTY</u>	<u>MAC-COOL 301</u>	<u>MAC-COOL 532</u>	<u>MAC-COOL 532T</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Specific Gravity	0.90	0.93	0.93
Viscosity @ 40°C, (cSt)	45	100	100
Flash Point (COC), °F	320°F	310°F	310°F
pH (5%)	9.5	10.5	10.5