



Premium Synthetic Coolant for Maximum Performance in Heavy Duty/Severe Machining

KOOLRite 2580 is a new generation synthetic, chemical emulsion cutting fluid, employing technology that provides a new level of machining performance. KOOLRite 2580 outperforms heavy duty, chlorinated soluble oils, semi-synthetics and newer polymer-based synthetic coolants with a machining performance not seen in any competitive coolant.

KOOLRite 2580 is designed for heavy duty/severe machining operations with excellent performance on tough aerospace alloys where high finish important. It has proven performance on metals with less than 15% machinability and high nickel alloys.

KOOLRite 2580 is formulated with JTM's unique **BioArmor Technology** which gives outstanding control of bacteria without the use of bactericides. BioArmor stops sump odors, gives you exceptionally



long sump life and a clean, comfortable, safe work environment for machine operators

KOOLRite 2580 will reject tramp oils, allowing clean coolant to be delivered to the chip/tool interface keeping your machine tool clean with a minimum of residual film while providing excellent corrosion control.

KOOLRite 2580 ADVANTAGES

Non foaming even in high pressure coolant applications

Excellent for aluminum machining

Leaves a light oil film for excellent corrosion inhibition on machines and parts

Kind to paint, seals and machine components

Allow machining to very high finishes

Guaranteed long sump life, due to excellent biological resistance. Reduces coolant consumption

Lower annual disposal costs

Does not contain phenols, nitrites, chlorine, bactericides or DCHA

Excellent synthetic for machining aluminum

Unique BioArmor™ Technology



BioArmor Technology means built-in resistance to bacterial growth without the use of bactericides. Only KOOLRite has it!



KOOLRite Formulation Does Not Support Bacterial Growth



Competitive Coolant Teems with Bacteria

THE KOOLRite CHALLENGE:

KOOLRite 2580 will outmachine the coolant you presently use or your purchase is **FREE!**



Customer Reactions

Customers using KOOLRite 2580 have experienced:

- On aluminum, prolonged drill and tap life from 10% to 20% plus a 15% to 40% reduction in coolant consumption over the best known synthetic coolant
- Outstanding performance on stainless steel, machining to 3-4 RMS finishes
- Outperformed oil on titanium with higher machine speed and faster cycle times
- When broaching steel, increased tool life 50% from 2000 parts to 3000 parts between sharpening

Recommended Starting Dilutions

Operations	Iron & Carbon Steel	High Alloy & Stainless Steels	Tool Steels	Aluminum	Copper Alloys
Grinding	4% to 5%	4% to 6%	5% to 6%	5% to 7%	4% to 5%
Milling, Drilling, Turning, Cut-off, Sawing, Screw Machining	5% to 7%	7% to 8%	6% to 8%	5% to 7%	5% to 7%
Tapping, Reaming, Broaching and Form Milling	5% to 7%	8% to 10%	8% to 10%	8% to 10%	5% to 7%

Directions for Use

The sump life of this coolant, as with any other coolant, will be greatly enhanced if charged to a clean system. You can utilize JTM's Sump Cleaner to disinfect your sump. KOOLRite 2580 can be metered through automatic dispensing systems available from JTM. Contact your representative regarding cleaning procedures and dispensers.

Always add the KOOLRite 2580 concentrate to the water and not the water to the concentrate. Proper maintenance in removing extraneous oils is beneficial for extended coolant life. The concentration can be monitored by refractive index.

Refractive Index2.2 (Refractive reading x 2.2 = % of concentration of dilution)

Recommended Metals

Aluminum Alloys	Cast Iron
Nodular Iron	Carbon Steel
Tool Steel	High Alloy Steel
Stainless Steel	Titanium
High Ni Steel	Copper Alloys

Product Data

Appearance:

Concentrate	Clear Amber
10% Dilution	Translucent Yellow

pH (concentrate): 10.01

pH (10% dilution): 9.3

Density (lbs/gal): 8.57

Material Safety Data Sheets are available for all products. All reasonable care has been taken to ensure that the above information is accurate as of the date of printing.

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for Over 100 Years.

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