

# KOOLRite™ 2540

Long Life Coolant

## Heavy Duty Synthetic Cutting Fluid

KOOLRite 2540 is a new generation synthetic cutting fluid that replaces old style synthetics, soluble oils and semi-synthetics. JTM's unique **BioArmor Technology** has outstanding bio-stability giving complete control of bacteria without the use of bactericides. The result is a coolant that will **stop sump odors**, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators.

KOOLRite 2540 is designed with new technology eliminating the use of chlorine and sulfur for heavy duty operations on all ferrous metals. KOOLRite 2540 is also excellent for non metallic machining.

KOOLRite 2540 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 2540 ADVANTAGES

Protects against sticky switches and valves. Keeps machines clean yet protected.

New synthetic lubricant technology provides high "EP" extreme pressure characteristics.

Superior "Tramp Oil" rejection allows easy removal of oils, keeping machine tool and work pieces cleaner

Excellent performance on steel and steel alloys

Extremely long sump life reduces coolant change-outs. Lower annual disposal fees.

Does not contain: sulfur, phenols, nitrites or chlorine

Non-staining chemistry for 2000, 6000 and 7000 series aluminum use KOOLRite 2560AV

High resistance to bacterial and fungi growth

Cleaner machine - tolerates hard water.

Low foam levels even on high pressure systems.

## Unique BioArmor™ Technology



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

**KOOLRite**  
after 13 months

*KOOLRite Formulation Does Not Support Bacterial Growth*

**THEIRS**  
after 4 months

*Competitive Coolant Teems with Bacteria*

## THE KOOLRite CHALLENGE:

**KOOLRite 2540** will outperform the coolant you presently use or your purchase is **FREE!**

## 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 12%	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 2540 can be metered through automatic dispensing systems available from JTM. Contact your representative regarding cleaning procedures and dispensers.

**Always add the KOOLRite 2540 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.

## Concentration

Concentration	4% (1:25)	6% (1:20)	7.5% (1:14)	10% (1:10)
Brix Reading	3	4	5	7

An optical refractometer may be used for determining concentration. Brix refractive index is 1.5.

## Product Data

### Appearance:

Concentrate	Clear Amber
10% Dilution	Clear Yellow

**pH (concentrate):** 10.17

**pH (10% dilution):** 9.38

**Density (lbs/gal):** 8.56

## Recommended Metals

Cast Iron	Nodular Iron
Carbon Steel	Tool Steel
High Alloy Steel	Stainless Steel

## Application Guide

Grinding	<i>Very Good</i>
Milling, Drilling, Turning, Screw Machining, Cut Off Saw	<i>Excellent</i>
Tapping, Reaming, Broaching, Form Milling	<i>Excellent</i>



Quality Industrial Lubricants  
for Over 100 Years.

[www.koolrite.net](http://www.koolrite.net)

email: [sales@koolrite.net](mailto:sales@koolrite.net)

phone: 440-287-2302

fax: 440-287-3095

toll free: 800-229-6744

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.

**JTM Products, Inc. offers a complete line of Chemicals and Lubricants for Industry. Call us at 800-229-6744**