



KOOLRite™

Long Life Coolants

**Maximum Machining Performance
without Compromise
with the Operator in Mind**



Quality Industrial Lubricants
for Over 100 Years.



Outstanding Performance with the Operator in Mind

Since 2007, KOOLRite™ Long Life Coolants have been “praised in the shop and welcome at home,” maximizing your coolant’s contribution to machining performance while eliminating odors and minimizing dermatitis concerns.

From the beginning, our focus has been to provide a healthy, clean and productive environment for machine operators. We take pride in our ability to produce high performance coolants without resorting to the use of bactericides, chlorinated paraffins, sulfur, nitrites, phenols, diethanolamine or DCHA.

No questionable additives and no stink, too!



Been there, done that.

Machinability Without Compromise Since 2007

KOOLRite™ coolants have been delivering “no excuse” performance on demanding applications – without using questionable chemicals – from the beginning.

Our unique BioArmor™ technology has eliminated sump odor for thousands of shops while delivering maximum machining performance.



The KOOLRite Approach: Coordinated Metalworking Fluid Management

If you've been around metalworking long enough, you know that selecting and using coolant isn't as simple as it sometimes is made out to be.

How many times have vendors promised that their product — and just their product — was all that would be needed to remedy whatever problem you are experiencing?

We know things aren't that simple. That's because we know that your success in machining depends on the management of **at least five coolant-related variables**: the coolant itself, your shop's water, your shop's coolant handling equipment, how you monitor and filter your coolant, and how efficiently you dispose of used coolant.

But who's got the time to pull together all these items?

Call Us

A call to KOOLRite™ provides you a coolant professional, who can coordinate the multiple disciplines a proper coolant program requires.

Your Best Answer to Expensive Coolants

There's no ignoring the rising cost of metalworking coolants. The intelligent response is to minimize your coolant usage by coordinating coolant-related variables. This is exactly what we can do for you.

Powered by
KOOLRite™
Long Life Coolants



Your Coolant's Success Depends on Five Key Variables.
The KOOLRite Approach Can Help with All of Them.



Water Conditioning Advice

Selection of a water-based coolant requires an understanding of your shop's water. We will arrange the testing essential to optimize your coolant performance, and can recommend the appropriate equipment or service to condition your water, if needed.



Coolant Management Counseling

Maximizing your coolant's life and performance once it's in your sump is critical to profitability and productivity. With KOOLRite products, you are not alone in this effort. We can train your people in current best practices as well as provide the ongoing support required for a successful program.



Coolant Equipment Selection

Coolant maintenance depends on pumping, storing, mixing, filtering and dispensing your metalworking fluids. We have researched this equipment with an emphasis on compatibility with your total fluid management program. We can help you make the best choice.



Coolant Disposal Efficiencies

No coolant lasts forever, so your coolant investment should also include plans for the appropriate disposal of used fluid. KOOLRite products can help you minimize the amount of waste as well as offer special efficiencies through its partners to help keep disposal costs to a minimum.



Coolant Selection Assistance

Your KOOLRite™ representative can assess your operation and guide the choice of a KOOLRite coolant to best serve your goals based on the material you are machining, your cutting tools, operating conditions and your milling, turning or grinding equipment.

Your Guide to KOOLRite™ Products

KOOLRite™ Long Life Coolants have a proven history of delivering “no excuse” performance on demanding applications...without chlorinated paraffins, DCHA or bactericides. Our emphasis on operator comfort and safety along with expert technical service has won us many enthusiastic customers.

Common Features

- Do not contain: bactericides, chlorinated paraffin, sulfur, phenols, diethanolamine or DCHA
- Made with the newest, safest raw materials
- Meet REACH Standards
- KOOLRite 2290 meets Boeing BAC-5008 standards for titanium, aluminum and steel
- Appropriate for all metals*

Common Advantages

- Longer sump life – at least twice the length of your current soluble oil
- Eliminate sump odors
- Light oily residue to protect machine
- Great rust inhibition
- Work well in hard water
- Mix easily
- Split tramp oils

* Except magnesium



Watch the video

Common Benefits

- Lower coolant usage – 15% to 40% savings
- Safe/comfortable operator environment – minimizes skin problems
- Easy cleanup on machines and windows
- Make coolant treatment equipment more efficient
- More productive machine time
- Eliminate costly additives – i.e, biocides, defoamer and pH buffer in most cases

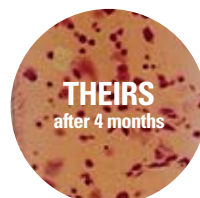
Unique BioArmor™ Technology



BioArmor Technology means built-in resistance to bacterial growth without the use of bactericides. Only KOOLRite has it! Competitive coolants use DCHA and other additives, which are less expensive but of questionable safety. When operator health is a concern, there is no reason to compromise!



KOOLRite Coolant:
Does not support
bacterial growth



Competitive Coolant:
Teems with bacteria

The KOOLRite™ semi-synthetic family is the first in our industry to offer long sump life with no stink without using DCHA and other questionable chemicals. Great machining on all metals with a safe, clean productive environment for the operator.

The SynMAX™ family of full-synthetic coolants benefits from radically different chemistry to elevate performance to previously unheard-of levels. Truly combines all the benefits of semi-synthetics with the benefits of synthetics without the drawbacks of previous synthetic generations!

KOOLRite™ Semi-Synthetic Coolants (Oil Containing)

KOOLRite™ 2270

For moderate machining

Economically priced, it is ideal for high coolant loss applications where outstanding machining capability is required.

KOOLRite™ 2290

For heavy duty machining

The workhorse of the family. Has the best all metal machining capability. Perfect for job shops where any metal could come in the door.

KOOLRite™ 2295MAX

For heavy duty to severe machining

Excellent on all aluminum, stainless and aerospace alloys. Ideal for micro tapping.

KOOLRite™ 2375MAX

For severe machining

The ultimate. For shops where maximizing machining performance is critical.

SynMAX™ Synthetic Coolants (No Oil)

SynMAX™ 2525

For severe duty

The ultimate in machining performance. Use where maximizing productivity is the key objective.

SynMAX™ 2515

For heavy to moderate machining

Broad capability for job shops where a wide variety of metals are machined.

SynMAX™ 2505

For moderate machining

Best where coolant losses are high and metal demands are moderate.

Specialty Cutting Fluids

Lube Rite Straight Cutting Oils

If your shop is using straight oils for machining, JTM has the Lube Rite family of premium vegetable and petroleum based cutting oils. Products for all applications including Swiss, deephole, gun drilling, honing, screw machine, grinding, tapping and MQL in standard and custom formulations.

Saw Rite 100

Specially formulated to bring all the advantages of KOOLRite coolants to a product tailored for saw applications.

Grind Rite 1000

An all-purpose light to medium duty synthetic. It has excellent rust control and targets all types of grinding operation. Can also be used to machine ferrous metals.

Grind Rite CG

Carbide Grinding – very low cobalt leach rate. Can also do machining if the shop wants one coolant.

Chip Rite 215

Soluble non-chlorine for medium to heavy machining. Works well on all metal, all operations. Very good on aluminum.

Chip Rite 411

Low oil semi synthetic, good on aluminum and steel. Not for high-pressure units in excess of 250 psi.

Chip Rite 605

Medium duty synthetic very good rust inhibition, best for ferrous machining and a good choice for tube mills. Good for sawing.

Chip Rite 606

Medium duty synthetic very good rust inhibition, good for steel and aluminum machining.

Other Products for the Metalworking Shop

Form Rite – for drawing and stamping

Kleen Rite – cleaners for all metals, immersion, ultrasonic and spray applications

Protect Rite – corrosion prevention for in-process, short and long term

Lube Rite – maintenance oils

JTM has been manufacturing quality industrial lubricants for more than one hundred years.

Founded in 1890 as the Phoenix Oil Company, it produced the axle greases, belt dressings and lubricants that helped the industrial revolution run smoothly. We were on the leading edge of technology in the early 1900's when we introduced the first water soluble, petroleum oil cutting fluid for machine tools.

In the 1920's, we developed Murphy Oil Soap®. Now a household word, Murphy Oil Soap has remained a favorite cleaning product with homemakers, industrial and commercial maintenance people ever since. In 1991, the Murphy Oil Soap business was sold to Colgate-Palmolive. Since then, the remaining company (JTM Products), has concentrated on bringing new technology to the industrial marketplace.

Our mission is to develop industrial lubricants and chemicals that represent new technology with obvious value to our distributors and their customers.



Quality Industrial Lubricants
for Over 100 Years.

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