KOOLRite 2270 is a new generation of oil-based cutting fluid that utilizes JTM’s unique BioArmor Technology to give you a coolant with outstanding control of bacteria without the use of bactericides. With BioArmor protection, KOOLRite 2270 will stop sump odors, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators.

KOOLRite 2270 is designed for moderate to heavy duty operations on all metals with the use of new technology that has eliminated the use of chlorine and sulfur. Unlike competitive oil based coolants, KOOLRite 2270 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 2270 will provide twice the sump life than the soluble oil you presently use or your purchase is FREE!

Semi-Synthetic Cutting Fluid for Moderate to Heavy Duty Machining

Unique BioArmor™ Technology

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

THE KOOLRite CHALLENGE:

KOOLRite 2270 will provide twice the sump life than the soluble oil you presently use or your purchase is FREE!
**Recommended Starting Dilutions**

<table>
<thead>
<tr>
<th>Operations</th>
<th>Iron &amp; Carbon Steel</th>
<th>High Alloy &amp; Stainless Steels</th>
<th>Tool Steels</th>
<th>Aluminum</th>
<th>Copper Alloys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grinding</td>
<td>5% to 6%</td>
<td>5% to 6%</td>
<td>5% to 6%</td>
<td>5% to 7%</td>
<td>4% to 5%</td>
</tr>
<tr>
<td>Milling, Drilling, Turning, Cut-off, Sawing, Screw Machining</td>
<td>5% to 8%</td>
<td>7% to 9%</td>
<td>6% to 9%</td>
<td>5% to 8%</td>
<td>5% to 7%</td>
</tr>
<tr>
<td>Tapping, Reaming, Broaching and Form Milling</td>
<td>5% to 7%</td>
<td>8% to 12%</td>
<td>8% to 10%</td>
<td>8% to 12%</td>
<td>7% to 10%</td>
</tr>
</tbody>
</table>

**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 2270 can be metered through automatic dispensing systems available from JTM. Contact your representative regarding cleaning procedures and dispensers. **Always add the KOOLRite 2270 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 Index …………1.7  (Refractive reading x 1.7 = % of concentration of dilution)

**Product Data**

**Appearance:**
- Concentrate: Opaque Amber
- 10% Dilution: Milky

**pH (concentrate):** 9.15

**pH (10% dilution):** 8.9

**Density (lbs/gal):** 8.0

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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**

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