

**TECHNICAL DATA SHEET**
REL COOL #2™

Semi-Synthetic

Description:

Rel Cool #2 is a high quality semi-synthetic fluid which exhibits excellent biostable properties without the use of biocides and/or fungicides. The product does not contain chlorinated additives, phosphorus, DEA (diethanolamine), and nitrites. As it contains no biocides, no phenolic and/or formaldehyde compounds are found within this product.

Typical Uses:

- Recommended for general shop use in a wide variety of operations, including: milling, turning, boring, drilling, centerless grinding, and surface grinding on ferrous metal ranging from cast irons to tool steels and specialty alloys.
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Typical Inspections:

Specific Gravity, 60/60F:	1.02
Density (lb./gal):	8.5
pH Value, 5% emulsion:	9.2
Acid Value (meqKOH/g):	3.4
Total Alkalinity (meqHCL/g):	8.4
Appearance:	Clear Amber Fluid

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Operating Recommendations:

- For grinding operations, dilute Rel Cool #2 concentrate with water at a ratio of 20:1 - 15:1
 - For machining operations, dilute Rel Cool #2 concentrate with water at a ratio of 15:1 - 10:1.
 - Check fluid concentration with hand-held refractometer. For best protection against biological problems, never allow the concentration to drop below 5% (20:1 dilution).
 - Check fluid's alkalinity with pH paper, pH value should range between 8.7 - 9.2 for optimum performance
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Features:

- Is stable over a wide variety of water conditions
- Designed to entrain a slight amount (1-2% vol.) of tramp oil for additional lubricity. Excess tramp oil freely floats to the surface for easy skimming and removal
- Promotes cleaner running machines compared to soluble oils
- Long emulsion life

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5/01/99
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