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MILES KOOL SOL SYN-G FULL SYNTHETIC WATER SOLUBLE CUTTING FLUID

MILES KOOL SOL SYN-G is a heavy-duty oil-free synthetic cutting and grinding fluid concentrate designed to offer good lubricity as well as excellent corrosion control on machinery and workpieces while providing a long sump life. This product may be used on a variety of metals, including steels, cast iron and aluminum; in operations ranging from grinding to turning to milling.

APPLICATION

MILES KOOL SOL SYN-G has been designed for machining most metals except magnesium. Excellent on cast iron. This product may also be used for grinding: blanchard, diamond wheel, belt, disk, etc.

NOTE: Since this product is completely oil-free, it may be used in most coolant mist units for machining and grinding operations.

ADVANTAGES

- Excellent Corrosion Inhibition
- Nitrite-Free
- Chlorine-Free
- Phenol-Free
- Very Low Foam - Excellent on High Pressure or High Speed Machining
- Excellent Cooling for Ability to Maintain Close Tolerances
- Tolerant of Hard Water
- Resistant to Damage from Tramp Oil
- Water Extendable- Economical
- Long Tank Life

RECOMMENDED CONCENTRATIONS

Application	Concentration, %	Ratio	Refractometer
Milling, Drilling, Turning	5% - 10%	1:10 - 1:20	1.4 - 2.7
Centerless, ID, OD, Surface	4%	1:25	1.1
Tapping, Sawing, Reaming	10%	1:10	2.7

MIXING INSTRUCTIONS

When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. To maintain proper concentration, make-up should be added at one-half of the desired concentration.



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Concentration, %	4%	5%	6%	7%	8%	9%	10%
Ratio	1:25	1:20	1:17	1:14	1:12	1:11	1:10
Refractometer	1.1	1.4	1.6	1.9	2.2	2.4	2.7

TYPICAL PROPERTIES

Appearance-Concentrate	Blue liquid
Appearance- Dilution	Transparent Blue
Residual Film	Soft, soluble
pH @ 20:1	9.5 ± 0.2
Specific Gravity @ 60°F	1.03 ± 0.03
Lbs/Gallon	8.6 ± 0.1
Flash point, PMCC	None

MILES KOOL SOL SYN-G is available in 5 gallon pails, 55 gallon drums and 275 gallon IBCs.