



Product Bulletin

GULFSYN ALTRAKOOL

GulfSyn AltraKool is a heavy-duty oil-free synthetic cutting and grinding fluid concentrate designed to offer outstanding machining performance 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: **GulfSyn AltraKool** 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.

FEATURES AND BENEFITS:

- Superior Machining Lubrication
- Nitrite-Free
- Chlorine-Free
- Long Tank Life
- Very low foam – excellent on high pressure, high speed machining
- Resistant to damage from tramp oil
- Tolerant of hard water
- Excellent corrosion inhibition
- Excellent cooling for ability to maintain close tolerances

Typical Properties

Product Code	Test Method	335500
Appearance – concentrate		Blue liquid, slight haze
Appearance – dilution		Transparent blue liquid
Odor		Bland
Residual Film		Soft, Soluble
pH @ 20:1 (5%)		9.5 ± 0.3
Specific Gravity @ 60°F		1.03 ± 0.01
Lbs/Gallon		8.6 ± 0.1
Flash Point, PMCC, °F		None

Recommended Concentrations

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

Mixing Instructions

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

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.

AVAILABILITY: **GulfSyn AltraKool** is available throughout Gulf's marketing area. Your Gulf representative can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF(4853) or visit Nu-tierbrands.com.

NU-TIER BRANDS, INC.

10/13

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