



Product Bulletin

GULFCUT® SS 500

SEMI-SYNTHETIC CUTTING AND GRINDING FLUID W/O CHLORINE

Gulfcut® SS 500 is a semi-synthetic general purpose metalworking coolant containing approximately 10% mineral oil. This product, when diluted with water, forms a translucent amber emulsion which offers excellent workpiece visibility, good lubricity, and superior cooling. **Gulfcut® SS 500** is designed for the machining and grinding of virtually all metals, except magnesium and is formulated without the use of chlorine.

Gulfcut® SS 500 is designed for use in metalworking applications such as all CNC milling, turning, drilling, tapping and grinding. **Gulfcut® SS 500** is also excellent on conventional machining processes and sawing applications.

FEATURES AND BENEFITS:

- Long lasting
- Low foaming
- Mild, pleasant odor
- Excellent corrosion inhibition
- Excellent hard water stability
- Good workpiece visibility-translucent
- Superior tramp oil rejection
- Operator friendly
- Excellent lubricity
- Clean running
- Provides Excellent Finish

Typical Properties

Product Code	Test Method	335400
Appearance – concentrate		Amber liquid
Appearance – dilution		Transparent amber
Odor		Bland
Residual Film		Soft, Fluid
pH @ 20:1 (5%)		9.0 ± 0.2
Specific Gravity @ 60°F		1.0 ± 0.1
Lbs/Gallon		8.34 ± 0.1
Flash Point, PMCC, °F		None

Concentration:	4% (25:1)	5% (20:1)	6% (17:1)	7% (14:1)	8% (12:1)	9% (11:1)	10% (10:1)
Refractometer Reading:	1.2	1.5	1.8	2.1	2.4	2.7	3.0
Recommended Starting Dilutions	Milling, Drilling, Turning			20:1 (5%)			
	Centerless, ID, OD, Surface Grinding			25:1 (4%)			
	Tapping, Reaming, Sawing			10:1 (10%)			

When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. **Always** replenish the coolant with a mixture of coolant and water, not just coolant or water. **Never** add coolant concentrate directly to the sump.

AVAILABILITY:

Gulfcut® SS 500 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.

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NU-TIER BRANDS, INC.

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