



Lyden Oil Company

ProGuard

Product Information

ProGuard MeritCut AC 1000

ProGuard MeritCut AC 1000 is a heavy duty bio-stable soluble oil concentrate containing a chlorinated additive for difficult machining operations. This product was designed to be extended with water for the machining and grinding of virtually all metals except magnesium. It is excellent on high-silicon aluminum alloys.

ProGuard MeritCut AC 1000 eliminates the need for tankside additives, is low foaming and has a mild, pleasant odor. Other advantages include excellent corrosion inhibition, hard water stability and lubricity. It exhibits superior tramp oil rejection and reduces overall cost of use. This product is operator friendly, clean running, long lasting, and provides an excellent finish.

Note: Bio-stability refers to the ability of metalworking coolant to resist extreme biological degradation. This provides extremely long sump life in a properly maintained machine tool and diminishes the possibility of "Monday Morning Odor".

Applications CNC milling, turning, drilling, tapping, and grinding
Excellent on conventional machining processes and sawing applications

Concentration	4%	5%	6%	7%	8%	9%	10%
Ratio	25:1	20:1	17:1	14:1	12:1	11:1	10:1
Brix Reading	4.6	5.7	6.8	8.0	9.1	10.3	11.4
Recommended Starting Dilutions	Center-less, ID, OD, Surface Grinding					14:1 (7%)	
	Milling, Drilling, Turning					20:1 (5%) to 10:1 (10%)	
	Tapping, Sawing, Reaming					10:1 (10%)	

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MeritCut AC 1000

Product Code Number	17894
Appearance - concentrate	Amber liquid
Appearance - dilution	Opaque amber-white liquid
Residual Film	Soft, Fluid
pH @ 20:1 (5 %)	9.2 ± 0.3
Specific Gravity @ 60°F	0.95 ± 0.03
Lbs./Gallon	7.91 ± 0.1
Chlorine, %	8.0-9.0
Flash Point, °C (°F), ASTM D-92	179 (355)

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