



Lyden Oil Company

ProGuard

Product Information

ProGuard ProCut Synthetic 730

ProGuard ProCut Synthetic 730 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.

ProGuard ProCut Synthetic 730 has been designed for machining most metals except magnesium. Excellent on cast iron. This product may also be used for grinding: blanchard, diamond wheel, centerless, 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	Superior Machining Lubrication	Resistant to Damage from Tramp Oil
	Nitrite-Free	Tolerant of Hard Water
	Chlorine-Free	Excellent Corrosion Inhibition
	Phenol-Free	Water Extendable- Economical
	Long Tank Life	
	Excellent Cooling for Ability to Maintain Close Tolerances	
	Very Low Foam – Excellent on High Pressure, High Speed Machining	

Concentration	4% (25:1)	5% (20:1)	7% (14:1)	10% (10:1)
Brix Reading	1.3	1.6	2.2	3.2
Recommended Starting Dilutions	Milling, Drilling, Turning	10:1 / 20:1 (5%)		
	Centerless, ID, OD, Surface Grinding	25:1		
	Misting Applications	30:1 / 40:1 (2.5%)		

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Appearance - concentrate	Blue liquid, slight haze
Appearance - dilution	Transparent amber 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

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