

NOCO SYN GRIND BLUE

General Description

NOCO SYN GRIND BLUE 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

NOCO SYN GRIND BLUE 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 Grinding	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.

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

NOCO SYN GRIND BLUE is available in 5 gallon pails, 55 gallon drums and 275 gallon IBCs.

2440 Sheridan Drive Tonawanda, NY 14150 Phone: 716-874-6200