



## Astro-Sol N

### OVERVIEW

ASTRO-SOL N is a soluble oil concentrate. This product was designed to be extended with water for the machining and grinding of virtually all metals except magnesium.

### FEATURES & BENEFITS

- Low Foaming
- Mild Pleasant Odor
- Excellent Corrosion Inhibition
- Long Lasting
- Excellent Hard Water Stability
- Operator Friendly
- Sulfur, Chlorine and Phosphorous Free
- Provides Excellent Finish

### APPLICATIONS

ASTRO-SOL N is designed for use in all metalworking applications such as CNC milling, turning, drilling, tapping and grinding.

### RECOMMENDED CONCENTRATION

Application	Concentration	Ratio	Refractometer
Miling, Driling, Turning	5%	1:20	6.0
Centerless, ID, OD, Surface Grinding	4%	1:25	4.8
Tapping, Sawing, Reaming	10%	1:10	12.0

### MIXING

Concentration	4%	5%	6%	7%	8%	9%	10%
Ratio	1:25	1:20	1:17	1:14	1:12	1:11	1:10
Refractometer	4.8	6.0	7.2	8.4	9.6	10.8	12.0

### TYPICAL PROPERTIES

Appearance-Concentrate	Dark Amber liquid
Appearance- Dilution	Opaque White
Residual Film	Soft, fluid
pH @ 20:1	9.0 ± 0.2
Specific Gravity @ 60°F	0.90 ± 0.03
Lbs/ gal	7.5 ± 0.1
Flash Point, COC °F	355

Material Safety Data Sheets are available for all products.  
 All reasonable care has been taken to ensure  
 that the above information is accurate as of the date of printing.