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## Astro-SOL A-XBP

### Overview

ASTRO-SOL A-XBP is a medium-to-heavy duty biostatic soluble oil. This product was designed to be extended with water for the machining and grinding of virtually all metals except magnesium. This chlorine-free formulation is especially suited for aerospace and other applications which restrict the use of chlorine. ASTRO-SOL A-XBP has exceptional foam control for high pressure operations and was designed using raw materials that have the ability to resist extreme biological degradation, thus providing very long sump life in a properly maintained machine tool.

### Applications

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

### Features Benefits

- Eliminates Need for Tankside Additives
- Mild Pleasant Odor
- Excellent Corrosion Inhibition
- Very Long Lasting
- Excellent Hard Water Stability
- Operator Friendly

### Recommended Concentration

Application	Concentration, %	Ratio	Refractometer
General Machining	7%	1:14	8.4
Grinding	4%	1:25	4.8
Tapping, Drilling, 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

When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. To maintain recommended concentration, make-up or top-off should be added at one-half of the desired concentration. Never add concentrate directly to the machine; this could cause inverted emulsions.

### Typical Properties

Appearance-Concentrate	Amber liquid
Appearance- Dilution	Opaque Amber
Residual Film	Soft, fluid
pH @ 20:1	9.3 ± 0.2
Specific Gravity @ 60°F	0.94 ± 0.03
Lbs/Gallon	7.85 ± 0.1
Total Chlorine, wt %	None
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.