



Astro-Cut SYN XBP

OVERVIEW

ASTRO-CUT SYN XBP 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. The use of enhanced additive technology enables ASTRO-CUT SYN XBP to provide extended biological stability and corrosion resistance in the working fluid. This product may be used on a variety of metals, including steels, cast iron and aluminum.

FEATURES & BENEFITS

- Superior Machining Lubrication
- 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

APPLICATIONS

ASTRO-CUT SYN XBP 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.

RECOMMENDED CONCENTRATION

| Application | Concentration | Ratio | Refractometer |
|--------------------------------------|---------------|-------------|---------------|
| Miling, Driling, Turning | 5% - 10% | 1:10 - 1:20 | 1.7 – 3.3 |
| Centerless, ID, OD, Surface Grinding | 4% | 1:25 | 1.3 |
| Tapping, Sawing, Reaming | 10% | 1:10 | 3.3 |

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 | 1.3 | 1.7 | 2.0 | 2.4 | 2.7 | 3.0 | 3.3 |

TYPICAL PROPERTIES

| | |
|-------------------------|------------------|
| Appearance-Concentrate | Blue liquid |
| Appearance - Dilution | Transparent Blue |
| Residual Film | Soft, fluid |
| pH @ 20:1 | 9.6 ± 0.2 |
| Specific Gravity @ 60°F | 1.03 ± 0.03 |
| Lbs/Gallon | 8.6 ± 0.1 |
| Flash point, PMCC | None |

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.