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Astro-Mist A

OVERVIEW

ASTRO-MIST A is an oil free, nitrite free, water extendable grinding fluid concentrate containing wetting agents for superior cooling and corrosion inhibitors for in-process rust protection of machine tools and metal parts. This product offers excellent performance in most grinding operations on cast iron, steels, and most non-ferrous metals except magnesium.

FEATURES & BENEFITS

- Excellent Cooling Function
- Mild Pleasant Odor
- Excellent Corrosion Inhibition
- Long Sump Life
- Allows Swarf to Settle Out
- Economical
- Oil Free - Minimal Disposal Costs
- Non-Foaming

APPLICATIONS

ASTRO-MIST A can be used for most grinding applications, including centerless, ID, OD, and Blanchard grinding. It can also be used for light machining operations and makes an excellent misting fluid for various machining and grinding processes.

RECOMMENDED CONCENTRATION

| Application | Concentration | Ratio | Refractometer |
|--------------------------------------|---------------|-------------|---------------|
| Centerless, ID, OD, Surface Grinding | 4% | 1:25 | 1.0 |
| Light Machining | 5% | 1:20 | 1.2 |
| Misting | 3% - 4% | 1:20 – 1:33 | 0.7 – 1.2 |

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 | 1.0 | 1.2 | 1.5 | 1.7 | 2.0 | 2.2 | 2.4 |

TYPICAL PROPERTIES

| | |
|-------------------------|--------------------------|
| Appearance-Concentrate | Clear light amber liquid |
| Appearance - Dilution | Transparent light amber |
| Residual Film | Soft, soluble |
| pH @ 20:1 | 9.6 ± 0.2 |
| Specific Gravity @ 60°F | 1.02± 0.03 |
| Lbs/Gallon | 8.5 ± 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.