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Astro-Grind A

Overview

ASTRO-GRIND A is an oil free, nitrite free, water extendable synthetic 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.

Applications

ASTRO-GRIND 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.

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

Recommended Concentration

Application	Concentration	Ratio	Refractometer
Centerless, ID, OD, Surface Grinding	4%	1:25	0.7
Light Machining	5%	1:20	0.9
Misting	3% - 4%	1:20 – 1:33	0.5 – 0.7

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	0.7	0.9	1.1	1.3	1.4	1.6	1.8

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.