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Astro-Cut TS Aero

OVERVIEW

Astro-Cut TS Aero is a heavy duty mineral oil based BIOSTABLE micro-emulsion concentrate designed 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-Cut TS Aero has good foam control 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.

FEATURES & BENEFITS

- Eliminates Need for Tankside Additives
- Clean Running
- Low Foaming
- Chlorine and Sulfur Free
- Good Workpiece Visibility
- Reduced Overall Cost
- Superior Lubricity
- Excellent Corrosion Inhibition

APPLICATIONS

Astro-Cut TS Aero is designed for use in metalworking applications such as all CNC milling, turning, drilling, tapping, grinding and sawing applications.

RECOMMENDED CONCENTRATION

Application	Concentration	Ratio	Refractometer
Miling, Driling, Turning	5%	1:20	4.0
Centerless, ID, OD, Surface Grinding	4%	1:25	3.2

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	3.2	4.0	4.8	5.6	6.4	7.2	8.0

TYPICAL PROPERTIES

Appearance - Concentrate	Amber liquid
Appearance - Dilution	Translucent amber
Residual Film	Soft, fluid
pH @ 20:1	8.9 ± 0.2
Specific Gravity @ 60°F	0.99 ± 0.03
Lbs/Gallon	8.2 ± 0.1
Total Sulphur, wt %	None
Total Chlorine, wt %	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.