



SS-15 Coolant

Product Description

A Semi-synthetic, biostable, general purpose metalworking coolant containing approximately 20% mineral oil. This product, when diluted with water, forms a translucent amber emulsion which offers excellent workpiece visibility, good lubricity, and superior cooling. SS-15 Coolant is designed for the machining and grinding of virtually all metals, except magnesium and is formulated without the use of chlorine.

Biostability

BIOSTABILITY refers to the ability of a metalworking coolant to resist extreme biological degradation. This provides extremely long sump life in a properly maintained machine tool and diminishes the possibility of “Monday Morning Odor”.

Advantages

- Long Lasting
- Low Foaming
- Mild, Pleasant Odor
- Excellent Corrosion Inhibition
- Excellent Hard Water Stability
- Good Workpiece Visibility - Translucent
- Superior Tramp Oil Rejection
- Operator Friendly
- Excellent Lubricity
- Clean Running
- Provides Excellent Finish

Application

Designed for work in metalworking applications such as CNC milling, turning, drilling, tapping and grinding. SS-15 Coolant is also excellent on conventional machining processes and sawing applications.

Typical Properties

Appearance-concentrate	Amber liquid
Appearance-dilution	Translucent amber
pH @ 20:1 (5%).....	9.1 +/- 0.2
Density	8.3 +/- 0.03 lbs/gallon
Odor	Bland
Residual Film.....	Soft Fluid
Specific Gravity @ 60° F	1.0 +/- 0.03
Flash Point, PMCC, °F	None

SS-15 Coolant Product Bulletin (con't).

Refractometer Readings

Dilution	10:1	11:1	12:1	14:1	17:1	20:1	25:1	33:1
Concentration	10%	9%	8%	7%	6%	5%	4%	3%
Refractometer Readings	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5

Use Directions

Recommended Starting Dilutions:	
Centerless, ID, OD, Surface Grinding	33:1 (3%)
Milling, Drilling, Turning	20:1 (5%)
Tapping, Reaming, Sawing	10:1 (10%)

Safety and Handling

Avoid contact with eyes and prolonged contact with the skin. Wash thoroughly after handling. Minimum contact with this and all chemicals is a good policy to follow along with reading the Material Safety Data Sheet.

Storage

Keep away from flames, sparks, or hot surfaces. Indoor storage preferred. First in first out stock rotation is recommended.

Container Size

5 gallon pails, 55 gallon drums and 330 gallon totes.



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