



GLO-1500 EPX NC Semi Syn High Pressure Coolant

DESCRIPTION

Product Data

GLO-1500 EPX NC is designed to be an all-purpose state-of-the art neo-synthetic metalworking fluid, used to machine aluminum, cast iron and steel. It is chemically formulated with specialized metal pacifying agents to prevent rust and is pH-balanced to control microbiological activity when charged to a fresh, clean system.

KEY PERFORMANCE BENEFITS

Oil is the best cutting lubricant known, especially when it contains extreme pressure lubricants that are chemically active. In designing this fluid for aluminum, this theory was applied to develop a fluid that yields the benefits of soluble oil (film boundary), yet maintains the characteristics of a synthetic. In doing so, lubricants were selected to give GLO-1500 EPX NC outstanding machining capabilities which enable it to outperform conventional metalworking fluids in its class.

Through the use of specialized metal pacifying agents, GLO-1500 EPX NC provides high protection against electrolytic corrosion caused by iron-copper or iron-aluminum interactions.

- Chlorine Free
- Extended Tool Life
- Superior High and Low Temperature Stability
- Prevents Welding of Work Metal on Tools
- Superior Rust Protection
- Operator Friendly
- Environmentally Safe
- Non-Flammable
- Low-Foaming, Hard Water Stable
- No Phenols or Nitrates

TYPICAL PRODUCT APPLICATIONS

GLO-1500 EPX NC is recommended for use in Tapping, Drilling, Sawing, Reaming, Milling, Grinding and Broaching.

METALWORKING FLUIDS * AIRCRAFT * INDUSTRIAL * AUTOMOTIVE

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GLO-1500 EPX NC Semi-Syn High Pressure Coolant VI-1525

TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance (neat):	Amber
Appearance, 5% solution:	Translucent Amber
PH 5% solution:	9.3 +/- 0.4
SPEC. GRAVITY:	1.027 +/- 0.02
LBS./GAL.:	8.56 +/-0.2

Monitoring Concentration

Take the refractive index reading and multiply it by **1.9** to determine the concentration.

$$\text{Concentration (\%)} = \text{RI reading} \times 1.9$$

Please refer to the conversion chart

CONCENTRATION	3% (1:33)	5% (1:20)	6% (1:15)	10% (1:10)
REFRACTOMETER READING	1.6	2.6	3.2	5.3

RECOMMENDED DILUTIONS

General Machining:	20:1	to	40:1
Milling, Drilling & Turning:	10:1	to	20:1
Tapping, Threading, Reaming & Boring Aluminum & Stainless	10:1	to	15:1
Grinding – ID, OD & Center less	10:1	to	20:1
Blanchard: Segmented wheel grinding	20:1	to	30:1
Sawing	25:1	to	35:1
	10:1	to	20:1

Instructions For Use

1. Determine the system size
2. Take your total system size and multiply it by the recommended % of GLO-1500 EPX NC.
3. Slowly add the recommended amount of GLO-1500 EPX NC to the water and mix well (*always add GLO-1500 EPX NC to water, NEVER in reverse order*)

Storage/Handling/Disposability

No health or safety hazards exist when **GLO-1500 EPX NC Semi-Syn High Pressure Coolant** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

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