

Name: VP860P

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ValCool, LLC

5230 Brittmoore Rd

Houston, TX 77041

VP890P

EP FORTIFIED METALWORKING FLUID FOR HIGH PRESSURE MACHINES

DESCRIPTION

VP890 is a macro emulsion metalworking fluid designed for high pressure coolant applications. The product is found in systems with pistons and positive displacement pumps that increase coolant pressure up to 2000 psi. The product provides “soluble-oil” performance with sump stability that approaches that of a synthetic product. The product is non-irritating to workers’ skin and will not cause dermatitis issues. VP890 provides excellent rust protection due to a proprietary manufactured tri-phase corrosion inhibitor package.

FEATURES & BENEFITS

- EP Fortified for heavy duty applications
- Excellent Foam Suppression
- Extended tool life with increased production rates
- Best in class resistance to bacteria growth
- Exceptional tramp oil rejection
- Outstanding surface finish
- Non-irritating to operators’ skin

METAL COMPATIBILITY

- | | | |
|-------------------|------------------|-----------------|
| • Steel | • Hi Temp Alloys | • Nickel Alloys |
| • Cast Iron | • Aluminum | • High Carbon |
| • Stainless Steel | • Copper | • Plastics |
| • Titanium | • Brass | • Inconel |

HEALTH & SAFETY

See the most recent SDS which is available directly from ValCOOL, your local representative or authorized distributor. ValCOOL uses only raw materials not listed as carcinogenic by IRAC.

PROPERTIES

| | |
|---------------------|-------------------|
| Appearance: | Clear Blue Liquid |
| Diluted Appearance: | Milky Blue Liquid |
| Solubility: | Complete |
| Odor: | Mild Industrial |
| Specific Gravity: | .98 |
| Concentrate pH: | 9.4 |
| pH, 5 % dilution: | 9.3 |
| Freeze/Thaw Cycles: | Passed 3x |

APPLICATION & USAGE

ValCOOL recommends using Val-U-Clean or K-5-P cleaner before adding VP890 to a machine.

The recommended concentration for VP890 is 5-10% for optimum results. However, results for any operation can only be determined through testing.

Maintaining the coolant at its optimum concentration is achieved through daily refractive index checking.

No special precautions are necessary with respect to seals or valves.

REFRACTIVE INDEX MONITORING

1.1 x multiplier

| Percentage | Ratio | Refractometer Reading |
|------------|---------|-----------------------|
| 5 | 19 to 1 | 4.4 |
| 10 | 9 to 1 | 8.8 |
| 15 | 6 to 1 | 13.2 |
| 20 | 4 to 1 | 17.6 |

Fluid compatibility and machinability should always be tested first; as fluid concentration, metal alloy, and machining operation are variable.