

Name: VP930
Revision Date: 2/14/2018 – R1

ValCool, LLC
 5230 Brittmoore Rd
 Houston, TX 77041

VP930

SYNTHETIC CUTTING & GRINDING FLUID

DESCRIPTION

VP930 is a high performance, heavy duty machining and grinding fluid, specifically designed for difficult to machine ferrous metals. VP930 contains a unique ester package which provides the lubricity performance of a semi-synthetic while maintaining the cleanliness, oil rejection, and bio-stability of a traditional synthetic. VP930 is engineered with a combination of lubricity additives specifically designed to reduce the coefficient of friction at the interface while protecting the work piece integrity at a molecular level. VP930 is extremely low foaming and provides excellent corrosion protection. VP930 contains no chlorine or sulfur yet provides superior lubricity with a boundary film lubrication package. VP930 is engineered to be both user friendly and biologically resistant. It can be used on all ferrous metal machining applications along with difficult steel applications. VP930 is clean running with high detergency characteristics making this product very worker and machine friendly.

FEATURES & BENEFITS

- Excellent rust protection
- Low to no foam
- Extended tool life with increased production rates
- Bio, Myco, and Fungal Resistant
- Exceptional tramp oil rejection
- Outstanding surface finish
- Non-irritating to operators' skin

METAL COMPATIBILITY

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

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:	Clear Light Blue
Solubility:	Clear micro-emulsion
Odor:	Mild Industrial
Specific Gravity:	1.03
Concentrate pH:	9.5
pH, 5 % dilution:	9.4
Freeze/Thaw Cycles:	Passed 3x

APPLICATION & USAGE

ValCOOL recommends using Val-U-Clean or K-5-P cleaner before adding VP930 to a machine.

The recommended concentration for VP930 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

1.9 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	2.6
10	9 to 1	5.3
15	6 to 1	7.9
20	4 to 1	10.5

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