

Name: VP650P
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ValCool, LLC
 5230 Brittmoore Rd
 Houston, TX 77041

VP650P

HEAVY DUTY SOLUBLE OIL

DESCRIPTION

VP650P is a heavy duty soluble oil designed with high quality EP additives for machining all ferrous and non-ferrous material. This formulation exhibits excellent corrosion protection and is chemically balanced for excellent hard water tolerance. VP650P contains bio-resistant additives to control rancidity by eliminating the growth of bacteria and fungi. This product is formulated to cover a wide range of temperature dependent applications.

FEATURES & BENEFITS

- EP fortified for difficult applications
- Good 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 | • Titanium | • Nickel Alloys |
| • Cast Iron | • Aluminum | • High Carbon |
| • Stainless Steel | • Copper | • Plastics |
| • High Temp Alloys | • 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:	Amber/Blue Liquid
Diluted Appearance:	Macro Emulsion Liquid
Solubility:	Complete
Odor:	Mild Industrial
Specific Gravity:	.96
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 VP650P to a machine.

The recommended concentration for VP650P 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

1.0 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	5.0
10	9 to 1	10.0
15	6 to 1	15.0
20	4 to 1	20.0

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