Technical Data Sheet

Solutions Through Innovative Technology

Name: VPTAP
Revision Date: 4/14/2018 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

VPTAP

MULTI-PURPOSE TAPPING FLUID

DESCRIPTION

VP-TAP is an EP enhanced fluid used in tapping and threading operations that is safe and effective on all ferrous and non-ferrous metals. VP Tap is excellent for cooling and lubricating during the threading or forming of a thread in a hole or part by use of a tap. VP-TAP is Ideal for manually applied applications on metals that are typically difficult to machine. This water-based chemistry provides significant advantages over straight oil tapping fluids such as compatibility with other fluids, non-polluting and non-corrosive.

FEATURES & BENEFITS

Excellent for difficult alloys

- Low to no foam
- Excellent for difficult alloys
- Eliminates chip welding
- Compatible with coolants
- Provides safer / Cleaner work areas
- Exceptional tramp oil rejection
- Outstanding surface finish
- Non-irritating to operators' skin

METAL COMPATIBILITY

- Steel
- Cast Iron
- Stainless Steel
- Titanium
- Hi Temp Alloys
- Aluminum
- Copper
- Brass
- Nickel Alloys
- High Carbon
- Plastics
- 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:	Slightly Viscous Liquid
Diluted Appearance:	Milky Light Blue
Solubility:	Water
Odor:	Mild Industrial
Specific Gravity:	.99
Concentrate pH:	9.5
pH, 5 % dilution:	9.4
Freeze/Thaw Cycles:	Passed 3x

APPLICATION & USAGE

The recommended concentration for VP-TAP is straight for optimum results. However, VP-TAP can be diluted for light to medium duty applications.

Apply directly to the hole or tap.

REFRACTIVE INDEX MONITORING

1.6 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	3.0
10	9 to 1	6.0
15	6 to 1	9.0
20	4 to 1	12.0

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