



Technical Data Sheet

Name: Precision Tech 9400

Revision Date: 4/17/2018 – R1

Precision Tech 9400

SYNTHETIC CUTTING & GRINDING FLUID

DESCRIPTION

Precision Tech 9400 is a specially formulated grinding fluid, designed for carbide grinding. Precision Tech 9400 exhibits superior hard water stability, while providing excellent performance and coolant life in individual sumps and central systems.

FEATURES & BENEFITS

- Excellent for diamond wheel grinding of carbide
- Best in class resistance to bacteria growth
- Cobalt leaching below 1 ppm
- Exceptional tramp oil rejection and little to no foam
- Eliminates deep red to purplish color change due to dissolved cobalt into the coolant
- Non-irritating to operators' skin
- Better Surface finishes and improved structural integrity

METAL COMPATIBILITY

- Tungsten carbide
- Cast Iron
- Stainless Steel
- Boron Carbide
- Silicon Carbide
- Aluminum
- Copper
- Brass
- Hi Temp Alloys
- Hi Carbon
- Ferrous Metals
- Nickel Alloys

HEALTH & SAFETY

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

PROPERTIES

Appearance:	Clear Blue Liquid
Diluted Appearance:	Clear Light Blue
Solubility:	Complete
Odor:	Mild Industrial
Specific Gravity:	1.03
Concentrate pH:	9.5
pH, 5 % dilution:	9.4
Freeze/Thaw Cycles:	Passed 3x

APPLICATION & USAGE

Precision Fluids recommends using our Super Green cleaner before adding Precision Tech 9400 to a machine.

The recommended concentration for Precision Tech 9400 is 3-5% 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

2.5 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	2.0
10	9 to 1	4.0
15	6 to 1	6.0
20	4 to 1	8.0

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

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