Technical Data Sheet

Name: Precision Tech 9200
Revision Date: 4/17/2018 – R1

Precision Tech 9200

SYNTHETIC CUTTING & GRINDING FLUID

DESCRIPTION

Precision Tech 9200 is a synthetic metalworking fluid designed for the grinding of steel metals in light to moderate machining. The product is exceptionally clean with the ability to reject tramp oil and extend sump life. Precision Tech 9200 is non-aggressive to the machining environment and possesses a chemistry that is machinist friendly to those using it. Due to the product's excellent rust inhibition, the product is a favorite for customers machining cast iron. Precision Tech 9200 has excellent foam control and filtering properties lending itself as an excellent choice for large grinding machines that have paper index filter systems. Precision Tech 9200 is designed with a versatile bio-dynamic protection package. This enables the working fluid in the sump to resist and react against bacteria and fungi growth.

FEATURES & BENEFITS

- Chlorine, sulfur, phenol and boron free
- Low to no foam
- 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
- Cast Iron
- Stainless Steel
- Titanium
- Inconel
- High Carbon Steels
- High Temp Alloys
- 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 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

Precision Fluids recommends using our Super Green cleaner before adding Precision Tech 9200 to a machine.

The recommended concentration for Precision Tech 9200 is 3-10% 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

3.6 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	1.4
10	9 to 1	2.8
15	6 to 1	4.2
20	4 to 1	5.6

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

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