Technical Data Sheet

Name: Precision Tech 9500
Revision Date: 4/17/2018 – R1

Precision Tech 9500

HEAVY DUTY SYNTHETIC METALWORKING FLUID

DESCRIPTION

Precision Tech 9500 is a heavy duty synthetic metalworking fluid for processes requiring significant cooling of the tool and work piece interface.

The product is sulfur and chlorine free and suitable for all alloys. The product is an excellent choice for machining titanium and strategic alloys yet versatile enough to machine aluminum, cast iron, and carbon steels.

Additionally, Precision Tech 9500 has excellent long term sump life properties. The product creates no foam during production runs and has best in class resistance to bacteria and fungus.

Additionally, the product is suitable and found in many aerospace and medical applications.

FEATURES & BENEFITS

- Excellent cooling properties
- No defatting of skin (doesn't cause dermatitis)
- Tri-phase corrosion inhibitor package
- Will not rust machines
- No "gummy" buildup on machines
- Best in class resistance to bacteria growth
- Exceptional tramp oil rejection
- Non foaming chemistry

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
Diluted Appearance:	Clear Blue
Solubility:	Water
Odor:	Mild Industrial
Specific Gravity:	1.04
Concentrate pH:	9.6
pH, 5 % dilution:	9.3
Freeze/Thaw Cycles:	Passed 3x

APPLICATION & USAGE

Precision Fluids recommends using our Super Green cleaner before adding Precision Tech 9500 to a machine.

The recommended concentration for Precision Tech 9500 is 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

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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