



Technical Data Sheet

Name: Precision Tech 8900

Revision Date: 4/17/2018 – R1

Precision Tech 8900

METALWORKING FLUID FOR HIGH PRESSURE MACHINES

DESCRIPTION

Precision Tech 8900 is a neo-synthetic metalworking fluid designed for high pressure coolant applications. The product is found in systems with pistons and positive displacement pumps that increase coolant pressure up to 2000 psi.

Precision Tech 8900 has a sulfonate free emulsifier package that provides exceptional stability even in high pressure systems. The product is often found displacing low foaming synthetic formulations.

The product provides “soluble-oil” performance with sump stability that approaches that of a synthetic product. The product is non-irritating to workers’ skin and will not cause dermatitis issues.

Precision Tech 8900 provides excellent rust protection due to a proprietary manufactured tri-phase corrosion inhibitor package.

FEATURES & BENEFITS

- Designed for high pressure machining systems
- 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

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:	Translucent Blue
Diluted Appearance:	Milky Light Blue
Solubility:	Water
Odor:	Mild Industrial
Specific Gravity:	0.97
Concentrate pH:	9.3
pH, 5 % dilution:	9.0
Freeze/Thaw Cycles:	Passed 3x

APPLICATION & USAGE

Precision Fluids recommends using our Super Green cleaner before adding Precision Tech 8900 to a machine.

The recommended concentration for Precision Tech 8900 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

1.25 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	4.0
10	9 to 1	8.0
15	6 to 1	12.0
20	4 to 1	16.0

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

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