

## SYN-THO 3430

### GENERAL PURPOSE SYNTHETIC METALWORKING FLUID

#### Description

Syn-Tho 3430 is a general purpose synthetic metalworking fluid most suitable for processes that require enhanced tramp oil rejection and bacteria resistance.

The product is sulfur and chlorine free and suitable for all alloys. Syn-Tho 3430 is approved for MIL STD 2041-D naval nuclear applications.

Syn-Tho 3430 contains a tri-phase corrosion inhibitor package assuring parts and machines won't rust. This additive package also eliminates any "gummy" residue found inside machines.

A completely biodegradable material, the disposal of Syn-Tho 3430 is not an issue.

The product contains a balanced blend of extreme pressure protection and lubricity to assure excellent machining and part finish.

#### Features & Benefits

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

#### Health & Safety

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

#### Physical Data

Appearance:	Clear Blue
Diluted Appearance:	Clear Blue
Solubility	Water
Odor:	Mild Industrial
Specific Gravity:	1.03
Concentrate pH:	9.4
pH, 5 % dilution:	9.0
Freeze/Thaw Cycles:	Passed 3x

#### Application & Usage

Precision Fluids recommends using our Super Green cleaner before adding Syn-Tho 3430 to a machine.

The recommended concentration for Syn-Tho 3430 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 (3.6X multiplier)

Percent	Ratio	Refractometer Reading
5	19 to 1	1.5
10	9 to 1	2.8
15	6 to 1	3.8
20	4 to 1	5.6

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