

FLUIDTECH TECHNICAL DATA SHEET

synthetic

FLUIDTECH 150 Synthetic

Heavy Duty

DESCRIPTION

A high lubricity, heavy duty synthetic coolant. It is fortified with a special blend of high viscosity index polymer lubricants. These polymers remain soluble in water until activated by the heat of friction during machining and grinding. This results in a coolant with excellent lubricity at the tool/chip interface, yet with very little carryoff on parts.

Performs like a semi-synthetic, but runs extremely clean, has superior oil rejecting capabilities, and is very low foaming. It leaves a soft fluid residue that protects the machine tool and parts. This protective film will not interfere with heat treating or welding. Prevents corrosion on ferrous and most nonferrous metals.

ADVANTAGES

- SUPERIOR RUST AND CORROSION PROTECTION. PROTECTS BOTH FERROUS AND MOST NONFERROUS METALS
- INCREASED LUBRICITY VS CONVENTIONAL SYNTHETIC COOLANTS • QUICKLY REJECTS TRAMP OILS TO THE SURFACE
- EXCELLENT STABILITY IN HARD AND SOFT WATER APPLICATIONS TO ENSURE MINIMAL RESIDUE BUILD-UP
- VERY LOW CARRYOFF REDUCES COOLANT CONSUMPTION • LOW FOAMING IN ALL WATER CONDITIONS
- PREVENTS BIMETALLIC CORROSION AND IS SAFE TO USE IN EQUIPMENT WITH MOST COPPER, BRASS, BRONZE, AND ALUMINUM COMPONENTS

RECOMMENDED STARTING DILUTIONS

Operation	Carbon Steels, Cast Steels	High Alloy Steels, Stainless Steels	Aircraft, Tool Steels	Copper, Aluminum
Machining- Milling, Drilling, Turning	1:20 (5.0%)	1:20 (5.0%)	1:15 (6.7%)	1:20 (5.0%)
Grinding	1:25 (4.0%)	1:25 (4.0%)	1:20 (5.0%)	1:25 (4.0%)
Reaming, Tapping, Sawing, Broaching	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)

PHYSICAL PROPERTIES

Form Liquid
Color Blue
Specific Gravity 1.06
Flash Point None
Odor Mild
pH @ 5% conc..... 9.3

REFRACTOMETER READINGS

Dilution Ratio	1:10 (10.0%)	1:15 (6.7%)	1:20 (5.0%)	1:25 (4.0%)	1:30 (3.3%)
Refractometer Reading	3.5	3.0	2.5	2.0	1.5

AVAILABILITY

A-FT150-05 5 Gal Pail
A-FT150-55 55 Gal Drum
A-FT150-275 275 Gal Tote