

FLUIDTECH TECHNICAL DATA SHEET

semi-synthetic

FLUIDTECH 280 Semi-Synthetic / Heavy Duty

DESCRIPTION

A heavy duty, semi-synthetic water soluble metalworking fluid fortified with extreme pressure additives for use in difficult metal cutting and metal forming operations. It is a suitable replacement for straight oils in many applications. It has excellent emulsion stability in hard water and combines the cooling and cleanliness of synthetics with the rust protection and lubricity of soluble oils. This product works well in hard and soft water. It will not form hard water soaps or cause excessive foaming in soft water. It provides trouble-free performance on a wide range of metals and diverse operations in individual sumps and is equally suitable for continuous production requiring unimpeded efficiency, low maintenance and maximum fluid life.

ADVANTAGES

- EXTREME PRESSURE LUBRICITY FOR EXTENDED TOOL LIFE • EXCELLENT CORROSION PROTECTION • LOW FOAM
- STABLE EMULSION IN HARD AND SOFT WATER • ODOR-FREE FOR EXTENDED PERIODS

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 Amber
Specific Gravity 1.03
Flash Point None
Odor Mild
pH @ 5% conc. 9.6

REFRACTOMETER READINGS

Dilution Ratio	1:5 (20.0%)	1:10 (10.0%)	1:15 (6.7%)	1:20 (5.0%)	1:25 (4.0%)
Refractometer Reading	12.2	6.3	4.5	3.5	2.8

AVAILABILITY

A-FT280-05 5 Gal Pail
A-FT280-55 55 Gal Drum
A-FT280-275 275 Gal Tote