Soluble Cutting Oil SC-10™

Fully formulated water soluble cutting oil designed to reduce surface temperatures and extend tool life in a wide range of metalworking operations – Contains biocide to combat organism formation in machine reservoirs and sumps

Key Features & Benefits
• Extends tool life over conventional soluble oils
• Contains industry level biocide to reduce rancidity problems
• Provides smoother finishes
• Enhances cutting ability
• Protects work, tools and equipment from rust and corrosion
• Excellent cooling properties
• Forms a stable emulsion
• Provides process visibility (becomes milky white in appearance once emulsified with water)
• Can be used in a wide range of machining operations
• Contains multiple metalworking technologies, including ionic bonding agents and metal film strength reducers
• Contains Muscle Metal Treatment MT-10® technology for lubricity enhancement and friction-reducing properties

Directions for Use
Reduce SC-10™ with water to the desired emulsion ratio depending on the operation.

Technical Data
Appearance .................................. Dark amber liquid
Odor .................................................. Strong
pH ................................................... 9.0 D1287
Initial boiling point ............... 257°F (125°C) D1120
Flash point .................................. 305.6°F (152°C) D93
Specific gravity @ 60°F ............... 0.9383 D1298
Lbs per gal (U.S) ......................... ~ 7.826
Viscosity @ 40°C ...................... 40.09 cSt D445
Viscosity @ 100°C ..................... 6.39 cSt D445
Solubility ................................. Dispersible in water

The above properties are typical values and do not constitute a product specification.

Container Availability
Item SC-10-128......................... 1 U.S. gallon (3.8 L)
Item SC-10-5G....................... 5 U.S. gallon (18.9 L)
Item SC-10-55G..................... 55 U.S. gallon (208 L)

Typical Applications & Emulsion Ratios
• Light machining of soft to medium hardness steel
  Typical emulsion ~ 20:1
• Grinding operations requiring excellent cooling & a lower ratio
  Typical emulsion ~ 40:1

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