

CIMPERIAL[®] 16EP-HFP with FACT[™]

Soluble Oil, Metalworking Fluid Concentrate for High Fluid Pressure Applications

APPLICATIONS

CIMPERIAL[®] 16EP-HFP is a premium soluble oil that contains a chlorinated extreme pressure lubrication package to perform on a variety of machining and grinding applications. It is recommended for High Fluid Pressure and High Volume Flow Applications where minimization of foam is critical for part quality and machine operations. It can be used for machining and grinding operations of ferrous and non-ferrous materials, where a heavy-duty fluid is desired.

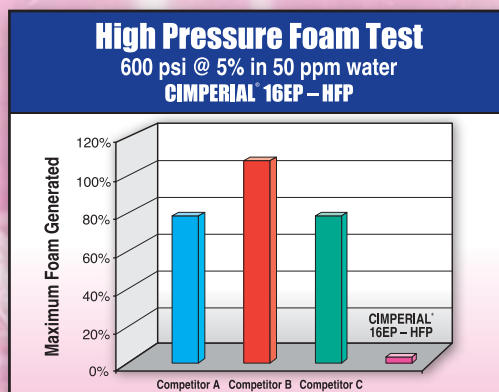
CIMPERIAL[®] 16EP-HFP can be used in individual machines or central systems.

Metals: Carbon Steels, High Speed Steels, Cast Steels, Alloy Steels, Tool Steels, Stainless Steels, Cast Iron, Aluminum, Bronze, Brass, Copper

Duty Range: For moderate to heavy-duty operations

FEATURES & BENEFITS

CIMCOOL[®] – HFP Fluids with FACT[™] provide superior foam control through the combination of product design, raw material selection and innovative antifoam technology. These fluids are the result of years of experience that have identified creative methods to prevent, control and reduce foam, even when fluids are used in high pressure delivery systems. This expertise is only available in **CIMCOOL[®] – HFP Fluids** with FACT[™].



VERY GOOD RANCIDITY CONTROL – Contains a microbial control package which extends fluid life for long lasting, trouble-free performance.

WIDE APPLICATION RANGE – Can be used on a wide variety of metals and operations

WASTE TREATABLE – Compatible with most conventional waste treatment methods

OPERATOR FRIENDLY – Mild to skin – Easy to mix



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Soluble Oil, Metalworking Fluid Concentrate

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Recommended Starting Dilution: 5% (1:20) Typical Operating Range: 5% (1:20) to 10% (1:10) For concentrations outside this range contact CIMCOOL[®] Technical Service at 513-458-8199.</p> <p>CIMPERIAL[®] 16EP-HFP is to be mixed with water for use (add concentrate to water).</p> <p>Add no other substances to the concentrate mix unless approved by CIMCOOL[®] Technical Services. Not recommended for use with magnesium or alloyed magnesium.</p> <p>For concentration analysis, use the MI Titration Procedure, Non-Solvent Titration Procedure, Total Alkalinity Titration Procedure, CIMCHEK[™] Test Strip, or Refractometer.</p>
<p>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>	<p>Physical state: Liquid Appearance and odor: Hazy/Chemical Colors available: Undyed Solubility in water: 100% Miscible Weight, lb/gal, 60° F (15.6° C): 8.4 Specific gravity, H₂O = 1): 1.00 Boiling point, °F (°C): NA Flash point, COC, °F (°C): 360 (182) Fire point COC, °F (°C): 380 (193) Freezing point (or pour point), °F (°C): 26 (-3) If frozen, product separates. Thaw completely at room temperature and stir thoroughly. pH, concentrate: NA pH, 5.0% mix, typical operating conditions: 8.6 Total chlorine/chloride, wt%, calculated: 7.3/< 50ppm Total sulfur, wt%, calculated: 0.13 Dicyclohexylamine: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR = 0.9 Multiply the scale reading obtained on your CIMCOOL[®] Metalworking Fluid or other acceptable refractometer by the Refractometer Factor to obtain the mix concentration in percent.</p> <p>NOTE: Calibrate the refractometer so that it reads 0.0 with water, before testing the sample mix. Remove gross contaminants from the sample mix before testing.</p>	
<p>For additional information concerning CIMPERIAL[®] 16EP-HFP, refer to its OSHA MSDS or contact CIMCOOL[®] Technical Services at 1-513-458-8199. Reprints/Updates of this Product Information Flyer (PIF) can be found on our web site, WWW.CIMCOOL.COM or from your Milacron representative.</p> <p>Minor formulation changes or normal variations in the manufacture of this product may cause slight variations in the data presented on this sheet. Consumable Products Division/Milacron Marketing Company Cincinnati, Ohio 45209</p> <p>ISO Certified Company 9001/14001</p> <p>PC-HFP-101</p> 