

# CIMPERIAL<sup>®</sup> 16EP-HFP with FACT<sup>™</sup>

## Soluble Oil, Metalworking Fluid Concentrate for High Fluid Pressure Applications

### APPLICATIONS

**CIMPERIAL<sup>®</sup> 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.

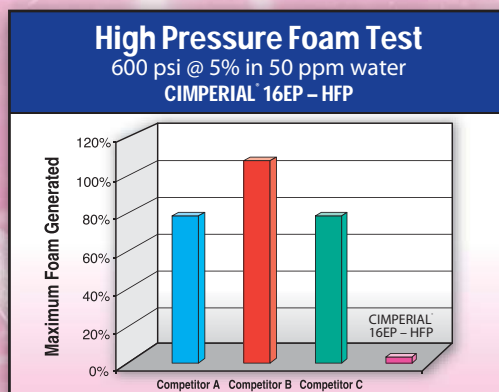
**CIMPERIAL<sup>®</sup> 16EP-HFP** can be used in individual machines or central systems.

**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<sup>®</sup> – 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<sup>®</sup> – 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



# CIMPERIAL<sup>®</sup> 16EP-HFP



## Soluble Oil, Metalworking Fluid Concentrate

<p><b>RECOMMENDED STARTING DILUTIONS</b></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<sup>®</sup> Technical Service at 513-458-8199.</p> <p>CIMPERIAL<sup>®</sup> 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<sup>®</sup> 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<sup>™</sup> Test Strip, or Refractometer.</p>
<p><b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b></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, H<sub>2</sub>O = 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.</p> <p>pH, concentrate: _____ NA  pH, 5.0% mix, typical operating conditions: _____ 8.6  Total chlorine/chloride, wt%, calculated: _____ 7.3/&lt; 50ppm  Total sulfur, wt%, calculated: _____ 0.13  Dicyclohexylamine: _____ None</p>
<p><b>PACKAGING</b></p>	<p><b>Available in Canada, in 20 litre pails, 200 litre drums and 1000 litre bulk containers</b></p>
<p><b>REFRACTOMETER FACTOR</b> = 0.9 Multiply the scale reading obtained on your CIMCOOL<sup>®</sup> Metalworking Fluid or other acceptable refractometer by the Refractometer Factor to obtain the mix concentration in percent.</p> <p><b>NOTE:</b> 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 <b>CIMPERIAL<sup>®</sup> 16EP-HFP</b> refer to its WHMIS MSDS or contact CIMCOOL Technical Services at 1-513-458-8199 in Ohio or 1-888-254-1919 in Canada, <a href="http://www.cimcool.ca">www.cimcool.ca</a></p> <p>Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.</p> <p>Consumable Products Division /Milacron Marketing Company, Cincinnati, Ohio 45209</p> <p style="text-align: center;">ISO Certified Company 9001/14001</p> <div style="text-align: right;">  </div> <p>CIMP16EP-HFP_EN Canada 08/07</p>	