

CIMTECH[®] 320-HFP with FACT[™]

Synthetic, Metalworking Fluid Concentrate for High Fluid Pressure Applications

APPLICATIONS

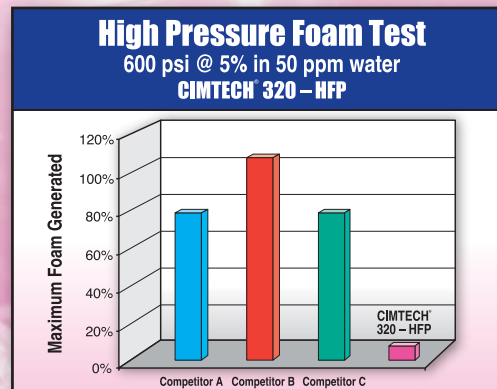
CIMTECH[®] 320-HFP is a unique, low pH synthetic fluid designed for the aerospace industry. It is recommended for High Fluid Pressure and High Volume Flow Applications where minimization of foam is critical for part quality and machine operations. It can be used for machining and grinding operations of ferrous and non-ferrous materials, where a heavy-duty synthetic fluid is desired. It is an excellent choice for central system applications.

Metals: Aluminum Alloys (2024, 6061, 7050, 7075, 380, 390), Cast Iron, Nodular Iron, Carbon Steels, Stainless Steels, Titanium, Other Exotic Alloys.

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[™].



EXCELLENT LUBRICITY – Provides excellent tool life and surface finish-Excellent lubricity for machining and grinding

EXCELLENT CLEANLINESS – Rejects tramp oil to keep product clean, which extends sump life

OPERATOR FRIENDLY – Provides excellent part visibility-A fresh mix is transparent-No Smoke-Low misting-Mild to the skin

EXCELLENT MACHINE COMPATIBILITY – Very low foaming even when used with deionized water provides a very clean operating environment

EXCELLENT RANCIDITY CONTROL – Excellent fluid life-Minimizes the need for additives

ENVIRONMENTALLY FRIENDLY – Easily recycled



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Synthetic, 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>CIMTECH[®] 320-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: Clear/Chemical Colors available: Undyed Solubility in water: 100% Miscible Weight, lb/gal, 60° F (15.6° C): 9.00 Specific gravity, H₂O = 1): 1.08 Boiling point, °F (°C): 212 (100) Flash point, COC, °F (°C): None, Self extinguishing Fire point COC, °F (°C): Self extinguishing Freezing point (or pour point) °F (°C): -45 (-42.8) If frozen product separates, thaw completely at room temperature and stir. pH, concentrate: 8.2 pH, 5.0% mix, typical operating conditions: 7.9 Total chlorine/chloride, wt%, calculated: 0.00/0.09 Total sulfur, wt%, calculated: 0.00 Dicyclohexylamine: None Triazine: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR = 1.5 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 CIMTECH[®] 320-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-104</p> 