

CIMCOOL®

METALWORKING FLUIDS

CIMTECH® 285

SYNTHETIC, METALWORKING FLUID CONCENTRATE

APPLICATIONS	<p>CIMTECH® 285 metalworking fluid is an extremely low foaming, clear, biostable synthetic for central systems and individual machines.</p> <p>Metals: Cast Iron, Nodular Iron, Carbon Steels, Ferrous Metals</p> <p>Duty Range: For moderate to heavy-duty operations</p>
FEATURES & BENEFITS	<p>CIMTECH® 285 is especially well suited for applications where foam and ferrous corrosion control are critical in individual machines, or central systems.</p> <p>RANCIDITY CONTROL - Very resistant to attack by mold and bacteria</p> <p>LOW FOAMING - Even under high agitation conditions</p> <p>EXCELLENT SETTLING PROPERTIES - Cast iron and graphite fines settle readily - The mix stays clean; finish-marring chips and grit do not re-circulate throughout the system - Effectively settles both cast iron and steel fines, which improves the finish and prevents the clogging of lines</p> <p>CLEANLINESS - Exceptional Tramp Oil Rejection - Tramp oil floats on top of the mix and can be removed easily by an oil skimmer.</p> <p>EXCELLENT FERROUS CORROSION CONTROL - A unique proprietary combination of rust inhibitors prevent corrosion of cast iron and steel</p> <p>OPERATOR & MACHINE FRIENDLY - Pleasant to use - Does not smoke or leave a slippery, oily film on parts, machines or surrounding areas - Stable and transparent</p> <p>ECONOMICAL - Very cost effective product, for value-added performance</p>

<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® 285 is to be mixed with water for use (add concentrate to water).</p> <p>Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Services. Not recommended for use with magnesium or alloyed magnesium.</p> <p>For concentration analysis, use the Total Alkalinity Titration Procedure, BCG 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, Blue, Pink Solubility in water: 100% Miscible Weight, lb/gal, 60°F (15.6°C): 8.62 Specific gravity, (H₂O = 1): 1.033 Boiling point, °F (°C): 212 (100) Flash point, COC, °F (°C): None, Self Extinguishing Fire point, COC, °F (°C): None, Self Extinguishing Freezing point, °F, (°C): 22 (-6) If frozen, thaw completely at room temperature. pH, concentrate: 9.9 pH, 5.0% mix, typical operating conditions: 9.1 Total chlorine/chloride, wt%, calculated: 0.00/0.10 Total sulfur, wt%, calculated: 0.00 Silicones: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR = 3.9 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 CIMTECH® 285, 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 variances in the data presented on this sheet. Consumable Products Division/ Milacron Marketing Company Cincinnati, Ohio 45209</p> <p>PC-9967 1/20/06</p>	

