

# CIMCOOL<sup>®</sup>

## METALWORKING FLUIDS

### CIMTECH<sup>®</sup> 250 with MSL<sup>®</sup> SYNTHETIC, METALWORKING FLUID CONCENTRATE

<b>APPLICATIONS</b>	<p><b>CIMTECH<sup>®</sup> 250 with MSL<sup>®</sup></b> is recommended for moderate to heavy - duty machining and grinding of ferrous metals. CIMTECH<sup>®</sup> 250 with MSL<sup>®</sup> is especially well suited for central system and transfer line applications. It can also be used in individual machine sump applications.</p> <p><b>Metals:</b> Cast Iron, Nodular Iron, Carbon Steels, Ferrous Metals</p> <p><b>Duty Range:</b> For moderate to heavy -duty operations</p>
<b>FEATURES &amp; BENEFITS</b>	<p><b>CIMTECH<sup>®</sup> 250 with MSL<sup>®</sup></b> is especially well suited for applications where foam and ferrous corrosion control are critical in individual machines, or central systems.</p> <p><b>RANCIDITY CONTROL</b> - Very resistant to attack by mold and bacteria</p> <p><b>LOW FOAMING</b> - Even under high agitation conditions</p> <p><b>EXCELLENT SETTLING PROPERTIES</b> - 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><b>EXCELLENT FERROUS CORROSION CONTROL</b> - A unique proprietary combination of rust inhibitors prevent corrosion of cast iron and steel</p> <p><b>OPERATOR &amp; MACHINE FRIENDLY</b> - Pleasant to use - Does not smoke or leave a slippery, oily film on parts, machines or surrounding areas - Stable and transparent</p>

<p><b>RECOMMENDED STARTING DILUTIONS</b></p>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>Recommended Starting Dilution: 5% (1:20)</b>  <b>Typical Operating Range: 5% (1:20) to 10% (1:10)</b>  <b>For concentrations outside this range contact CIMCOOL® Technical Service at 513-458-8199.</b></p> <p><b>CIMTECH® 250 with MSL®</b> 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><b>For concentration analysis, use</b> the Total Alkalinity Titration Procedure, BCG Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.</p>
<p><b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b></p>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Clear / Chemical  <b>Colors available:</b> Undyed, Blue  <b>Solubility in water:</b> 100% Miscible  <b>Weight, lb/gal, 60°F (15.6°C):</b> 8.73  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 1.0456  <b>Boiling point, °F (°C):</b> 212 (100)  <b>Flash point, COC, °F (°C):</b> None, self extinguishing  <b>Fire point, COC, °F (°C):</b> NA  <b>Freezing point (or pour point), °F, (°C):</b> 18 (-8)          If frozen, product separates. Thaw completely at room temperature and stir thoroughly.  <b>pH, concentrate:</b> 9.5  <b>pH, 5.0% mix, typical operating conditions:</b> 9.0  <b>Total chlorine/chloride, wt%, calculated:</b> 0.00/&lt; 50 ppm  <b>Total sulfur, wt%, calculated:</b> 0.00  <b>Silicones:</b> None</p>
<p><b>PACKAGING</b></p>	<p><b>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</b></p>
<p><b>REFRACTOMETER FACTOR = 3.1</b> Multiply the scale reading obtained on your CIMCOOL® Metalworking Fluid or other acceptable refractometer by the <b>Refractometer Factor</b> to obtain the mix concentration in percent.</p> <p><b>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.</b></p>	
<p>For additional information concerning CIMTECH® 250 with MSL®, 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, <a href="http://WWW.CIMCOOL.COM">WWW.CIMCOOL.COM</a> 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-967 4/5/05</p>	

