

CIMCOOL[®]

METALWORKING FLUIDS

CIMTECH[®] 200

SYNTHETIC, METALWORKING FLUID CONCENTRATE

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| APPLICATIONS | <p>CIMTECH[®] 200 metalworking fluid is an extremely low foaming, clear, biostable synthetic.</p> <p>Metals: Cast Iron, Nodular Iron, Carbon Steels</p> <p>Duty Range: For light to moderate-duty operations</p> |
| FEATURES & BENEFITS | <p>CIMTECH[®] 200 is especially well suited for applications where a clear fluid and foam control are critical, such as roll grinding and surface grinding.</p> <p>Well suited for use in central systems and individual machines on cast iron applications.</p> <p>Exceptionally good bacteria and mold control</p> <p>Excellent clarity and cleanliness</p> <p>Excellent Foam Control - Even in operations with high agitation</p> <p>Excellent Settling Properties - Cast iron and graphite fines settle readily. The mix stays clean; finish-marring chips and grit do not recirculate throughout the system.</p> <p>Depletion Resistant - Lean make-up keeps the concentration at the recommended dilution, since CIMTECH[®] 200 is not easily degraded by bacteria, or depleted by high chip loads. Reduces costs by reducing the amount of concentrate required for makeup.</p> <p>Emulsifies very little tramp oil - Tramp oil floats on top of the mix and can be removed easily by an oil skimmer.</p> <p>Pleasant to use - Does not smoke or leave a slippery, oily film on parts, machines or surrounding areas.</p> <p>Excellent rust control on cast iron and steel due to its unique proprietary combination of rust inhibitors.</p> <p>Compatible in both hard and soft water - Stable and transparent</p> |

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| <p>RECOMMENDED STARTING DILUTIONS</p> | <p>FOR INDUSTRIAL USE ONLY Use between 5.0% (1:20) and 10.0% (1:10) for machining and grinding ferrous metals.</p> <p>CIMTECH[®] 200 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, green Solubility in water: 100% Miscible Weight, lb/gal, 60°F (15.6°C): 8.75 Specific gravity, (H₂O = 1): 1.049 Boiling point, °F (°C): 212 (100) Flash point, COC, °F (°C): None, self extinguishing Fire point, COC, °F (°C): NA Extinguishing media: NA Unusual fire & explosion hazards: None Freezing point (or pour point), °F, (°C): 22 (-6) If frozen product separates. Thaw completely and stir thoroughly before using. pH, concentrate: 10.0 pH, 5.0% mix, typical operating conditions: 9.0 Total chlorine/chloride, wt%, calculated: 0.00/< 50 ppm 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 = 3.2 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[®] 200, refer to its OSHA MSDS or contact CIMCOOL[®] Technical Services at 1-513-458-8199.</p> <p><small>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</small></p> <p>11/29/00</p> | |