

# CIMCOOL<sup>®</sup>

## METALWORKING FLUIDS

### CIMCLEAN<sup>®</sup> 30

#### CENTRAL FILTRATION SYSTEM AND MACHINE CLEANER

<p><b>APPLICATIONS</b></p>          <p><b>FEATURES &amp; BENEFITS</b></p>	<p><b>CIMCLEAN<sup>®</sup> 30</b> is recommended for cleaning individual machine and central system reservoirs, metalworking fluid lines, premix tanks, machines and parts. It improves rancidity control by removing bio-films, dirt, grit, chip-deposits, insoluble soaps and oils from central systems in hard water areas. Does not redeposit soil in machines or central systems – (the breeding ground for bacteria). Contains corrosion inhibiting ingredients to protect machines and parts (cast iron and steel) from rusting during cleaning.</p> <p><b>CIMCLEAN<sup>®</sup> 30</b> can also be used for general-purpose floor cleaning. Use at 1:100 (1%) to 1:25 (4%). Can be used in power washers, steam cleaners and automated floor scrubbers.</p> <p><b>NOTE: CIMCLEAN<sup>®</sup> 30 is highly alkaline.</b> Avoid contact of the mix or concentrate with the eyes or skin. In case of contact, flush immediately with running water for 15 minutes. Call a physician.</p> <p><b>Material:</b> Ferrous metals</p>
<p><b>METHOD OF APPLICATION</b></p>	<p><b>CIMCLEAN<sup>®</sup> 30</b> can be used in three ways, all of which are effective.</p> <ol style="list-style-type: none"><li>1. <u>As a cleaner:</u> Drain used metalworking fluid and charge system with 2% CIMCLEAN<sup>®</sup> 30 (mix one part CIMCLEAN<sup>®</sup> 30 with 50 parts water). -- Fill reservoir as full as possible so the mixture contacts all surfaces. -- Circulate for at least 2-4 hours through all lines and machine tools (does not cause rust), drain, rinse and recharge with a fresh CIMCOOL<sup>®</sup> product.</li><li>2. <u>With used fluid during shutdown:</u> After production ceases, add one gallon of CIMCLEAN<sup>®</sup> 30 concentrate to each 50 gallons of dirty fluid (2%) in the machine reservoir or central system. Circulate the mixture for four hours or longer through all lines and machine tools. Drain, rinse and recharge with a fresh CIMCOOL<sup>®</sup> product.</li><li>3. <u>With used fluid during production:</u> Not recommended for individual machines unless carefully supervised. During production add one gallon of CIMCLEAN<sup>®</sup> 30 to each 100 gallons of dirty fluid (1%) in the machine reservoir or central system. Circulate the mixture for 4 - 8 hours through all lines and machine tools. Drain, rinse and recharge with a fresh CIMCOOL<sup>®</sup> product.</li></ol>

<p><b>RECOMMENDED STARTING DILUTIONS</b></p>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>Use at 2.0% (1:50) to 4.0% (1:25) for cleaning</b></p> <p><b>CIMCLEAN® 30</b> is to be mixed with water for use (add concentrate to water). Use only ferrous or plastic valve fittings on drums for dispensing concentrate.</p> <p>Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Services.</p> <p><b>For concentration analysis, use</b> the Total Alkalinity 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, pink  <b>Solubility in water:</b> 100% Miscible  <b>Weight, lb/gal, 60°F (15.6°C):</b> 9.09  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 1.089  <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>Extinguishing media:</b> NA  <b>Unusual fire &amp; explosion hazards:</b> None  <b>Freezing point (or pour point), °F, (°C):</b> 6 (-14)          If frozen, product separates. Thaw completely at room temperature and stir thoroughly.  <b>pH, concentrate:</b> 11.8  <b>pH, 2.0% mix, typical operating conditions:</b> 11.0  <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>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p><b>REFRACTOMETER FACTOR = 3.6</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 CIMCLEAN® 30, 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><b>PC-807 3/1/02</b></p>	