

CIMCOOL®

METALWORKING FLUIDS

CIMCLEAN® 40

CENTRAL FILTRATION SYSTEM AND MACHINE CLEANER

<p>APPLICATIONS</p> <p>FEATURES & BENEFITS</p>	<p>CIMCLEAN® 40 is recommended for cleaning individual machine and central system reservoirs, metalworking fluid lines, premix tanks, machines and parts.</p> <p>Note: CIMCLEAN® 40 is highly alkaline. 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>Material: Ferrous or nonferrous</p> <p>CIMCLEAN® 40 improves rancidity control by removing dirt, grit, insoluble soaps and oils -- the breeding ground for bacteria.</p> <ul style="list-style-type: none">- Removes insoluble soaps from dirty central systems in hard water areas. Does not redeposit soil.- Can also be used at 4% to 5% for aluminum quenching. <p>CIMCLEAN® 40 thoroughly removes chip deposits and tramp oil from central systems and machines.</p> <ul style="list-style-type: none">- Contains corrosion inhibiting ingredients to protect machines and parts, both ferrous and nonferrous, from rusting during cleaning.
<p>METHOD OF APPLICATION</p>	<p>CIMCLEAN® 40 can be used in three ways, all of which are effective.</p> <ol style="list-style-type: none">1. <u>As a cleaner:</u> Drain used metalworking fluid and charge system with 2% CIMCLEAN® 40 (mix one part CIMCLEAN® 40 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® product.2. <u>With used fluid during shutdown:</u> After production ceases, add one gallon of CIMCLEAN® 40 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® product.3. <u>With used fluid during production:</u> Not recommended for individual machines unless carefully supervised. During production add one gallon of CIMCLEAN® 40 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® product.

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Use at 2.0% (1:50) to 4.0% (1:25) for cleaning</p> <p>CIMCLEAN® 40 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.</p> <p>For concentration analysis, use the BCG 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): 8.63 Specific gravity, (H₂O = 1): 1.034 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): 19 (-7) If frozen product separates. Thaw completely and stir thoroughly before using. pH, concentrate: 11.6 pH, 5.0% mix, typical operating conditions: 10.5 Total chlorine/chloride, wt%, calculated: 0.00/< 50 ppm Total sulfur, wt%, calculated: 0.03 Silicones: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR = 3.7 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 CIMCLEAN® 40, 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>PC-569 3/1/02</p>	