

CIMCOOL®

METALWORKING FLUIDS

CIMCLEAN® 50

CLEANER FOR CENTRAL FILTRATION SYSTEMS AND MACHINE RESERVOIRS

<p>APPLICATIONS</p>	<p>CIMCLEAN® 50 is recommended for cleaning individual machine and central system reservoirs, metalworking fluid lines, premix tanks, machines and parts and as an additive to improve a fluids sump life.</p> <p>Material: Ferrous</p>
<p>FEATURES & BENEFITS</p>	<p>CIMCLEAN® 50 - Improves rancidity control by removing biofilm, dirt, grit, insoluble soaps and oils - Improved mildness to skin compared to other machine cleaners - Extremely low foaming - Handles the toughest cleaning jobs, such as removing insoluble soaps from dirty central systems in hard water areas - Does not redeposit soil in machines or central systems - Thoroughly removes chip deposits and tramp oil from central systems and machines - Contains corrosion inhibiting ingredients to protect machines and parts (cast iron and steel) from rusting during cleaning</p>
<p>METHOD OF APPLICATION</p>	<p>CIMCLEAN® 50 can be used as a tank side additive or as a machine cleaner.</p> <p>As a tank side additive: During production add CIMCLEAN® 50 to the dirty fluid in the machine reservoir or central system to improve the cleanliness of the metalworking system. The use dilution is 0.5% to 1.0% for this purpose. Make additions of cleaner as needed.</p> <p>As a machine cleaner, options:</p> <ul style="list-style-type: none">• After draining: Drain used metalworking fluid and charge system with 2% CIMCLEAN® 50. -- 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.• With used fluid during shutdown: After production ceases, add one gallon of CIMCLEAN® 50 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.

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Use at 0.5% (1:200) to 1.0% (1:100) for use as a cleaning additive. Use at 2.0% (1:50) to 4.0% (1:25) for cleaning machines</p> <p>CIMCLEAN® 50 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 Total Alkalinity Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.</p> <p>Note: Concentration analysis can only be used when the product is being used alone, not mixed with a metalworking fluid.</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): 9.23 Specific gravity, (H₂O = 1): 1.106 Boiling point, °F (°C): 212 (100.0) 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): <-25 (<-32) If frozen, product separates. Thaw completely at room temperature and stir thoroughly. pH, concentrate: 10.1 pH, 1.0% mix, typical operating conditions: 9.1 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 = 2.1 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® 50, refer to its OSHA MSDS or contact CIMCOOL® Technical Services at 1-513-458-8199.</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-9915 12/14/06</p>	