

CIMCOOL[®]

METALWORKING FLUIDS

QUANTALUBE[®] 270XL

PREMIUM WATER SOLUBLE METALWORKING FLUID DESIGNED
FOR HEAVY-DUTY GRINDING AND MACHINING OPERATIONS

APPLICATIONS	<p>QUANTALUBE[®] 270XL is a new water soluble, “super-lubricant” metalworking fluid designed for heavy-duty grinding and machining operations. QUANTALUBE[®] 270XL's patented Extreme Pressure lubricant package provides outstanding stock removal, permitting high productivity increases. This product is recommend for all ferrous metals except gray cast iron. It can be used for individual machines or central systems. QUANTALUBE[®] 270XL has dramatically improved many traditional “heavy-duty” operations to provide large increases in process throughputs and tool life. In many cases, only changing the metalworking fluid has provided dramatic productivity increases.</p> <p>Metals: Carbon Steels, High Speed Steel, Cast Steels, Alloy Steels, Tool Steel, Stainless Steel</p> <p>Duty Range: For heavy-duty operations</p>
FEATURES & BENEFITS	<p>EXCELLENT LUBRICITY - A patented lubricant provides exceptional lubricity for grinding and machining, with lubricity similar to straight oil. A series of extreme pressure lubricants are activated at various temperatures to permit high stock removals that are not possible with conventional water based fluids.</p> <p>ENHANCED PRODUCTIVITY - Creates a “quantum leap in technology” to improve metalworking fluid productivity. It promotes higher part quality, lowers wheel and tool usage, lowers fluid makeup rates, and increases machine uptime.</p> <p>PROCESS IMPROVEMENTS - Provides many metalworking process advantages, such as reduced cycle times, longer wheel and tool life, decreased machine horsepower, and improved part finish.</p> <p>MICROBIAL CONTROL - Has excellent bacteria and mold control, resulting in long fluid life</p> <p>ENVIRONMENTALLY FRIENDLY - Compared to straight oils QUANTALUBE[®] 270XL provides a much cleaner work environment with minimal oil mist, cleaner machines, floors, and parts!</p> <p>OPERATOR AND MACHINE FRIENDLY - Can be used in a broad concentration range (4 to 10%) and is mild and clean - It provides corrosion protection both to the machine and the part</p>

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Use between 5.0% (1:20) and 10.0% (1:10) for grinding and machining ferrous metals.</p> <p>QUANTALUBE® 270XL 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 MI Titration Procedure, Non-Solvent Titration Procedure, Total Alkalinity Titration Procedure, 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): 8.70 Specific gravity, (H₂O = 1): 1.043 Boiling point, °F (°C): NA Flash point, COC, °F (°C): 315 (157) Fire point, COC, °F (°C): 330 (166) Extinguishing media: Chemical foam, carbon dioxide, water fog, dry chemical Unusual fire & explosion hazards: None Freezing point (or pour point), °F, (°C): 5 (-15) If frozen, thoroughly thaw prior to using. pH, concentrate: NA pH, 5.0% mix, typical operating conditions: 9.0 Total chlorine/chloride, wt%, calculated: 0.00/< 50 ppm Total sulfur, wt%, calculated: 19.0 Silicones: Yes</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR =0.9 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 QUANTALUBE® 270XL, refer to its OSHA MSDS or contact CIMCOOL® Technical Services at 1-513-458-8199.</p> <p style="text-align: center;"><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>2/26/01</p>	