

CIMCOOL®

METALWORKING FLUIDS

LUBRICANT QXL

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

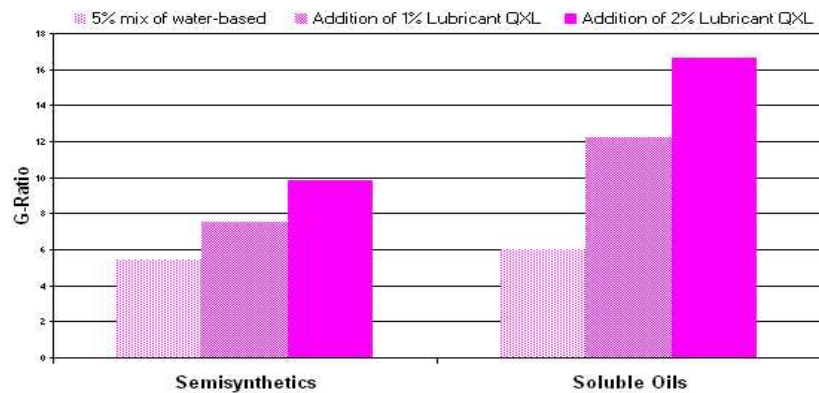
DESCRIPTION

LUBRICANT QXL is a water-soluble, "super-lubricant", metalworking fluid additive designed to enhance the performance of CIMCOOL® metalworking fluids for heavy-duty grinding and machining operations. LUBRICANT QXL's patented extreme pressure lubricant package aids these products in providing outstanding stock removal and productivity increases.

APPLICATION

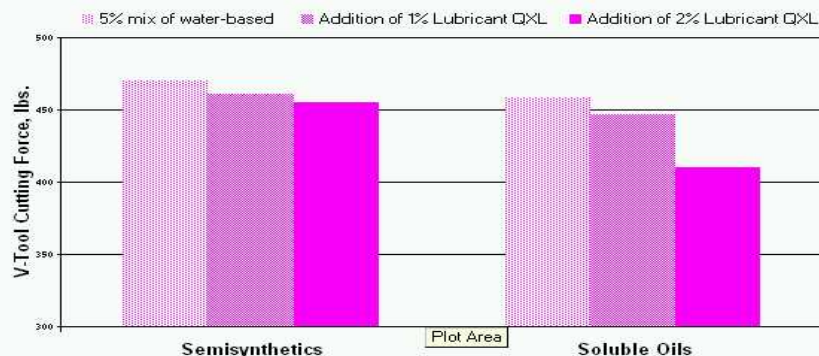
This product is recommended for operations on all steels, aluminum alloys, and many exotics. LUBRICANT QXL is recommended as an additive for metalworking fluid mixes in both central systems and individual machines. It is typically used at 1 to 5%.

Improved G-Ratio By Adding Lubricant QXL



G-Ratio is the proportion of metal removed per volume of grinding wheel consumed. The higher the number the better the lubricity of the product.

Effect Of Lubricant QXL On V-Tool Cutting Forces



V-Tool value is the measurement of force on a single point tool, cutting a steel tube. The lower the cutting force, the higher the lubricity of the product.

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Use dilution is 1:100 (1%) and 1:20 (5%) as an additive to increase extreme pressure lubrication in CIMCOOL® metalworking fluid semisynthetic and soluble oil mixes used on ferrous or non-ferrous metals.</p> <p>Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Service (513-458-8199).</p> <p>LUBRICANT QXL is not recommended for use with magnesium or alloyed magnesium.</p>
<p>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>	<p>Physical state: Liquid Appearance and odor: Clear, odorized 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 (-21) If frozen, thaw completely at room temperature. 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: 19.00 Silicones: Yes</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails and 55-gallon drums.</p>
<p>This product to be used within six months of its manufacture date indicated by the lot number on the container label.</p>	
<p>For additional information concerning LUBRICANT QXL, refer to its OSHA MSDS or contact CIMCOOL® Technical Services at 1-513-458-8199. Reprints/Updates of this Product Information Flyer (PIF) can be found on our web site, WWW.CIMCOOL.COM or from your Milacron representative.</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-9845 1/17/08</p>	

