

# CIMCOOL®

## METALWORKING FLUIDS

### WATER CONDITIONER D METALWORKING FLUID ADDITIVE

<b>DESCRIPTION</b>	<p><b>WATER CONDITIONER D</b> is a metalworking fluid additive, which can be added to the mix water in central systems and individual machines to soften the water. Also, it is EDTA-Free. Water Conditioner D will help to maintain fluid cleanliness and help to disperse or prevent scum deposits.</p>
<b>WHEN TO USE</b>	<p>Use with synthetic, semisynthetic and soluble oil products as directed by CIMCOOL® Technical Services to resolve hard water residues or problems with emulsion instability. (Note: A water analysis is necessary to determine the proper amount of Water Conditioner D; excessive amounts may lead to rust, and/or foam problems.</p>
<b>HOW TO USE</b>	<p>If hard water is known to be a problem, mix Water Conditioner D with water <u>before the metalworking fluid concentrate is added</u> to prevent mix stability problems. Water Conditioner D can also be used to restabilize used mixes.</p> <p>Pour WATER CONDITIONER D directly into the "clean" side of the central filtration system where contamination is lowest and will be least likely to reduce its effectiveness. For individual machines, add directly to the sump (machine reservoir).</p>

<b>RECOMMENDED STARTING DILUTIONS</b>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>Recommended Starting Dilution: 1:100,000 (0.001%)</b>  <b>Typical Operating Range: 1:100,000 (0.1 ounces per 100 gallons of mix) to 1:20,000 (0.6 ounces per 100 gallons of mix)</b>  <b>For concentrations outside this range contact CIMCOOL® Technical Service at 513-458-8199.</b></p> <p><b>WATER CONDITIONER D</b> is to be added to CIMCOOL® metalworking fluid mixes as described above.</p>
<b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Clear / Chemical  <b>Colors available:</b> Undyed  <b>Solubility in water:</b> 100% Miscible  <b>Weight, lb/gal, 60°F (15.6°C):</b> 12.1  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 1.45  <b>Viscosity (SUS) @ 100° F, Typical:</b> 99  <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> None, Self Extinguishing  <b>Freezing point (or pour point), °F, (°C):</b> 13 (-11)  If frozen, product separates. Thaw completely at room temperature and stir thoroughly.  <b>pH, concentrate:</b> NA  <b>pH, 1.0% mix, typical operating conditions:</b> 2.0  <i>Cautionary Statement: pH at 1% is 2. Wear gloves and eye protection when using. Product is safe when handled properly.</i>  <b>Total chlorine/chloride, wt%, calculated:</b> 0.00  <b>Total sulfur, wt%, calculated:</b> 0.00  <b>Silicones:</b> None</p>
<b>PACKAGING</b>	<b>Available in 5-gallon pails and 55-gallon drums.</b>
<p>For additional information concerning WATER CONDITIONER D, 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, <a href="http://WWW.CIMCOOL.COM">WWW.CIMCOOL.COM</a> 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><b>PC-9838 4/28/08</b></p>	

