



# CUSTOMER-FOCUSED METALWORKING FLUID SOLUTIONS

## OAKWASH<sup>®</sup> DSC 2000

### MACHINE TOOL, SUMP CLEANER CONCENTRATE

<b>APPLICATIONS</b>	<p><b>OAKWASH DSC 2000</b> is a liquid, water-based, alkaline, machine tool cleaner developed to deliver excellent detergency in a one-step product. <b>OAKWASH DSC 2000</b> "splits out" rancid lubricants, coolants, tramp oils, hydraulic fluids and other oil-based soils from machine tool sumps and surfaces.</p> <p><b>OAKWASH DSC 2000</b> is well suited for clean outs of presses, lathes, mills, broaches, grinders and machining centers. Flexible Machining Systems (FMS) and other central systems benefit as well from <b>OAKWASH DSC 2000's</b> ability to rapidly and thoroughly clean troughs, feed lines, machine tables, sumps and filtration/reclamation support equipment.</p>
<b>FEATURES &amp; BENEFITS</b>	<ul style="list-style-type: none"><li>• <b>EXCELLENT CLEANING</b></li><li>• <b>BUILT IN CORROSION INHIBITION TO PROTECT MACHINE SURFACES</b></li><li>• <b>ELIMINATES FIRE HAZARDS ASSOCIATED WITH SOLVENT CLEANERS</b></li><li>• <b>CONCENTRATED PRODUCT</b> - allows excellent cleaning at low level concentrations.</li><li>• <b>CONTAINS NO HEAVY METALS, PHOSPHATES, NITRATES, PHENOLS, OR HALOGENS</b></li><li>• <b>CLEANS IN HARD WATER</b> - up to 600 PPM without the use of softening agents, is non-foaming in all waters and cleans effectively at room temperature</li><li>• <b>EXCEPTIONAL RINSABILITY</b> - reduces machine down time which saves on labor costs</li><li>• <b>REJECTS TRAMP OILS</b> - will not emulsify tramp oils, thereby, reducing chemical treatment costs to remove these soils, plus "splits out" oils for easy removal by oil skimmers or oil absorbents</li></ul>

<p><b>RECOMMENDED STARTING DILUTIONS</b></p>	<p><b>FOR INDUSTRIAL USE ONLY.</b>  DIRECTIONS FOR USE OF OAKWASH DSC 2000 IN INDIVIDUAL MACHINE SUMPS:  <u>Step 1:</u> Drain machine tool of old coolant or lubricant with sump sucker or pump.  <u>Step 2:</u> Remove all sold materials (fines, chips, sludge) from sumps sides and bottom.  <u>Step 3:</u> Fill sump with water (leave room for OAKWASH DSC 2000) and circulate through entire coolant system.  <u>Step 4:</u> Add <b>OAKWASH DSC 2000</b> at 4%-6% by sump volume or 2-3 gallons per 50 gallons water depending on machine condition and circulate 1-3 hours. Expose cleaner to all machine surfaces.  <u>Step 5:</u> Drain sump and eliminate any solids.  <u>Step 6:</u> Charge sump with fresh water and rinse all machine surfaces for 20 minutes. Drain rinse water.  <u>Step 7:</u> Charge machine tool immediately with appropriate <b>OAK SIGNATURE</b> lubricant.  Add no other substances to the concentrate or mix unless approved by your OAK SIGNATURE Representative.</p>
<p><b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b></p>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Transparent, characteristic  <b>Color available:</b> Straw  <b>Solubility in water:</b> 100% miscible  <b>Weight, lb/gal, 60°F (15.6°C):</b> 9.0  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 1.08  <b>Boiling point, °F (°C):</b> &gt;212 (100)  <b>Flash point, COC, °F (°C):</b> NA  <b>Fire point, COC, °F (°C):</b> NA  <b>Extinguishing media:</b> NA  <b>Unusual fire &amp; explosion hazards:</b> None  <b>Freezing point (or pour point), °F, (°C):</b> 26 (-3) If frozen, product separates. Thaw completely at room temperature and stir thoroughly.  <b>pH, concentrate:</b> 13  <b>pH, 5.0% mix, typical operating conditions:</b> 12  <b>Total chlorine, wt%, calculated:</b> 0.00  <b>Total sulfur, wt%, calculated:</b> 0.00  <b>Silicones:</b> No</p>
<p><b>PACKAGING</b></p>	<p><b>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</b></p>
<p>For additional information concerning OAKWASH DSC 2000, refer to its OSHA MSDS or contact Technical Services at 1-513-458-8199. Reprints/Updates of this Product Information Flyer (PIF) can be found on our web site, <b>WWW.OAKINTERNATIONAL.COM</b> or from your OAK INTERNATIONAL representative.</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><b>04/10/07</b></p>	

