



CUSTOMER-FOCUSED METALWORKING FLUID SOLUTIONS

OAKWASH[®] DSC AL

CENTRAL FILTRATION SYSTEM AND MACHINE CLEANER

<p>APPLICATIONS</p>	<p>OAKWASH DSC AL is recommended for cleaning individual machine and central system reservoirs, metalworking fluid lines, premix tanks, machines and parts.</p> <p>Note: OAKWASH DSC AL is highly alkaline. Avoid contact of the mix or concentrate with the eyes or skin. In case of contact, flush immediately with running water for 15 minutes. Call a physician.</p> <p>Material: Ferrous or nonferrous</p>
<p>FEATURES & BENEFITS</p>	<p>OAKWASH DSC AL improves rancidity control by removing dirt, grit, insoluble soaps and oils -- the breeding ground for bacteria.</p> <ul style="list-style-type: none"> - Removes insoluble soaps from dirty central systems in hard water areas. Does not redeposit soil. - Can also be used at 4% to 5% for aluminum quenching. <p>OAKWASH DSC AL thoroughly removes chip deposits and tramp oil from central systems and machines.</p> <ul style="list-style-type: none"> - Contains corrosion inhibiting ingredients to protect machines and parts, both ferrous and nonferrous, from rusting during cleaning.
<p>METHOD OF APPLICATION</p>	<p>OAKWASH DSC AL can be used in three ways, all of which are effective.</p> <ol style="list-style-type: none"> 1. <u>As a cleaner:</u> Drain used metalworking fluid and charge system with 2% OAKWASH DSC AL (mix one part OAKWASH DSC AL with 50 parts water). – 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 product. 2. <u>With used fluid during shutdown:</u> After production ceases, add one gallon of OAKWASH DSC AL 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 Product. <p><u>With used fluid during production:</u> Not recommended for individual machines unless carefully supervised. During production add one gallon of OAKWASH DSC AL to each 100 gallons of dirty fluid (1%) in the machine reservoir or central system. Circulate the mixture for 4 - 8 hours through all lines and machine tools. Drain, rinse and recharge with a fresh product.</p>

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Recommended Starting Dilution: 2.5% (1:40) Typical Operating Range: 2.0% (1:50) to 4.0% (1:25) For concentrations outside this range contact Technical Service at 513-458-8199.</p> <p>OAKWASH DSC AL 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 Technical Services.</p> <p>For concentration analysis use a refractometer or Alkalinity Titration.</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): 8.6 Specific gravity, (H₂O = 1): 1.03 Boiling point, °F (°C): 212 (100) 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): 19 (-7) If frozen product separates. Thaw completely and stir thoroughly before using. pH, concentrate: 11.6 pH, 5.0% mix, typical operating conditions: 10.5 Total chlorine/chloride, wt%, calculated: 0.00/< 50 ppm Total sulfur, wt%, calculated: 0.03 Silicones: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR = 3.7 Multiply the scale reading obtained on your 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 OAKWASH DSC AL, 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, WWW.OAKINTERNATIONAL.COM or from your OAK INTERNATIONAL representative.</p> <p><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>03/02/06 ISO CERTIFIED</p>	

