



YOUR METALWORKING FLUID SOLUTIONS FOR SOLUTIONS

OAKFLO[®] DSY 4700

SYNTHETIC, METALWORKING FLUID CONCENTRATE

APPLICATIONS	<p>OAKFLO[®] DSY 4700 is a general-purpose machining and grinding fluid recommended for ferrous metals and most aluminum alloys. It is also excellent for tube rolling and forming, where a heavy-duty synthetic fluid is desired. It is an excellent choice for central system applications.</p> <p>Metals: Cast Iron, Nodular Iron, Carbon Steels, High Speed Steels, High Alloy Steels, Stainless Steels, Tool Steels, Titanium, Other Exotic Metals, Aluminum Alloys</p> <p>Duty Range: For moderate to heavy-duty operations</p>
FEATURES & BENEFITS	<p>HEAVY-DUTY SYNTHETIC - All advantages of a synthetic fluids with the capabilities of a heavy-duty product.</p> <p>VERSATILE, MULTI-PURPOSE PRODUCT – Capable of performing both heavy-duty grinding and machining operations.</p> <p>EXCEPTIONAL MICROBIAL CONTROL – No offensive odors caused by excessive bacteria – Long fluid life, minimizes concentrate usage and downtime.</p> <p>GOOD CORROSION CONTROL – Protects ferrous and aluminum alloy parts, as well as machine components from rust.</p> <p>CLEANLINESS – No oily mist or smoke – Leaves a soft, non-tacky residue that is easily rinsed off – Mild to use when used as recommended – Outstanding cleaning action – Keeps machines clean.</p> <p>ECONOMICAL – Low-carry off on parts and chips result in lower concentrate usage compared to soluble oil and semisynthetic metalworking fluids – Can be used in any type of filter system – Product is easily recycled.</p>

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Recommended Starting Dilution: 5% (1:20) Typical Operating Range: 5%- 10% (1:20 to 1:10)</p> <p>OAKFLO® DSY 4700 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 Oak Signature Technical Services. Not recommended for use with magnesium or alloyed magnesium.</p> <p>For concentration analysis, use the Total Alkalinity Titration Procedure, BCG Titration Procedure, CIMCHEK™ Test Strip, 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): 8.9 Specific gravity, (H₂O = 1): 1.07 Boiling point, °F (°C): 212 (100.0) Flash point, COC, °F (°C): None, Self extinguishing Fire point, COC, °F (°C): NA Freezing point (or pour point), °F, (°C): 12 (<-32) If frozen, thaw completely at room temperature. pH, concentrate: 8.4 pH, 5.0% mix, typical operating conditions: 8.3 Total chlorine/chloride, wt%, calculated: 0.00/0.07 Total sulfur, wt%, calculated: 0.33 Silicone, Mineral Oil: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR: 2.4 Multiply the scale reading obtained on your OAK SIGNATURE® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing. A refractometer is only recommended for use in checking the concentration on a fresh charge.</p>	
<p>SAFETY DATA SHEET Available at www.cimcool.com For additional information refer to its OSHA MSDS, website or contact your local OAK SIGNATURE SPECIALIST OR DISTRICT MANAGER, or you may contact OAK SIGNATURE® Technical Services at 1-513-458-8199</p> <p><i>Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.</i></p> <p style="text-align: center;">3000 Disney Street Cincinnati, Ohio 45209 1-513-458-8199 Fax: 1-513-458-817</p> <p style="text-align: right;">PC B20030 2/15/2012</p>	

