



YOUR METALWORKING FLUID SOLUTIONS FOR SOLUTIONS

OAKFLO[®] DSS A-TECH

SEMISYNTHETIC, METALWORKING FLUID CONCENTRATE

APPLICATIONS	<p>OAKFLO[®] DSS A-TECH is recommended for general-purpose machining and grinding of non-ferrous metals where chlorinated EP additives are not permitted. It is well suited for one-product applications, where multiple metal types, including ferrous metals, are worked on various machining operations.</p> <p>Metals: Aluminum, Titanium, Copper, Brass, Bronze, and other Exotic Alloys, as well as ferrous metals, Cast Iron, Carbon Steels, Stainless Steels, etc.</p> <p>Duty Range: For moderate-duty operations</p>
FEATURES & BENEFITS	<p>OAKFLO[®] DSS A-TECH uniquely blends the newest technological advances of modern semisynthetic fluids to deliver superior performance in general operations of non-ferrous metals.</p> <p>EXCELLENT NON-FERROUS CORROSION CONTROL – Compatible with titanium and other exotic metals – Non-staining on copper, brass, and bronze alloys – Specialized non-ferrous corrosion inhibitors are extremely effective in eliminating part-staining problems and preventing corrosion of machined parts – Designed to eliminate bi-metallic corrosion that can lead to part rejection.</p> <p>EXCELLENT BACTERIA AND MOLD CONTROL – Ensures long fluid life - Minimizes the use of additives in central systems.</p> <p>ENVIRONMENTALLY FRIENDLY – Is easy to maintain and control – It is waste treatable using standard fluid treatment procedures and systems – Can also be recycled for reuse using appropriate metalworking fluid recycling equipment.</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® DSS A-TECH 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, Non-Solvent Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.</p>
<p>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>	<p>Physical state: Liquid Appearance and odor: Hazy/ Chemical Colors available: Undyed Solubility in water: 100% Miscible Weight, lb./gal, 60°F (15.6°C): 8.7 Specific gravity, (H₂O = 1): 1.04 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): 26 (-3) If frozen product may separate. Thaw completely at room temperature and stir prior to use. Inside storage is recommended. pH, concentrate: 9.0 pH, 5.0% mix, typical operating conditions: 8.8 Total chlorine/chloride, wt.%, calculated: 0.00/<50 ppm Total sulfur, wt.%, calculated: 0.01 Silicone: Yes</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR: 2.2 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 B20105 10/5/2015</p>	

