



CUSTOMER-FOCUSED METALWORKING FLUID SOLUTIONS

OAKFLO[®] DSS-CV3

SEMI-SYNTHETIC, METALWORKING FLUID CONCENTRATE

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| APPLICATIONS | <p>OAKFLO[®] DSS-CV3 is an economical, water soluble, semi-synthetic metalworking fluid.</p> <p>Metals: Cast Iron, Nodular Iron, Carbon Steels, Alloy Steels, Aluminum, Copper, Brass, Bronze</p> <p>Duty Range: For light to moderate-duty operations</p> |
| FEATURES & BENEFITS | <p>OAKFLO[®] DSS-CV3 is a low-cost, general-purpose machining and grinding fluid, which can be used on a variety of materials and operations.</p> <p>MILD FLUID- A good choice for individual machine applications where mixes tend to become more concentrated than recommended.</p> <p>GOOD CLEANLINESS - Provides clean parts and keeps machines clean - Good residue characteristics - residue is easily removed with an alkaline cleaner or just warm water.</p> <p>OAKFLO[®] DSS-CV3 offers good foam and rancidity control.</p> |

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| <p>RECOMMENDED STARTING DILUTIONS</p> | <p>FOR INDUSTRIAL USE ONLY Recommended Starting Dilution: 10% (1:10) Typical Operating Range: 8% (1:13) to 12% (1:8) For concentrations outside this range contact Technical Service at 513-458-8199.</p> <p>OAKFLO® DSS-CV3 is to be mixed with water for use (add concentrate to water). Add no other substances to the concentrate or mix unless approved by Technical Services.</p> <p>Not recommended for use with magnesium or alloyed magnesium.</p> <p>For concentration analysis, use the MI Titration Procedure, Non-Solvent Titration Procedure, Total Alkalinity 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): 8.4 Specific gravity, (H₂O = 1): 1.00 Boiling point, °F (°C): 212 (100) Flash point, COC, °F (°C): None, Self Extinguishing Fire point, COC, °F (°C): None, Self Extinguishing Freezing point, °F, (°C): 30 (-3) If frozen, product separates. Thaw completely at room temperature and stir thoroughly. pH, concentrate: 9.9 pH, 10.0% mix, typical operating conditions: 9.6 Total chlorine/chloride, wt%, calculated: 0.00 Total sulfur, wt%, calculated: 0.140 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>This product to be used within six months of its manufacture date indicated by the lot number on the container label.</p> | |
| <p>For additional information concerning OAKFLO® DSS-CV3, 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>Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.</p> <p>6/10/2011 Cincinnati, Ohio 45209</p> | |

