



YOUR METALWORKING FLUID SOLUTIONS FOR SOLUTIONS

OAKSPEC[®] DAF-1 METALWORKING FLUID ADDITIVE

DESCRIPTION	<p>OAKSPEC[®] DAF-1 is an aliphatic, non-silicone defoamer, which can be used to temporarily control excessive foam.</p>
OPERATIONS	<p>Add to OAKSPEC[®] DAF-1 to OAK SIGNATURE metalworking fluid mixes as recommended by CIMCOOL Technical Services. Use in the mix when foam is a problem.</p> <p>A typical use would be to temporarily control foam in a new charge (fresh mix). Typically as metalworking fluid mixes age they become less foamy.</p>
METHOD OF APPLICATION	<p>Follow the recommended dilution range (see below). Shake or stir prior to using.</p> <p>OAKSPEC[®] DAF-1 can be used with soluble oil, semisynthetic, or synthetic mixes. Overuse, however, can create additional foam.</p> <p>Pour OAKSPEC[®] DAF-1 directly into the “clean” side of a central filtration system where contamination is lowest and will be less likely to reduce its effectiveness. For individual machines, add directly to the sump (machine reservoir).</p>

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Use dilution is 1:25,000 (0.004%) as an additive (One ounce per 200 gallons of mix) or a range from 1:50,000 (0.002%) to 1:5,000 (0.02%).</p> <p>OAKSPEC® DAF-1 is to be added to metalworking fluid mixes as described above.</p>
<p>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>	<p>Physical state: Liquid Appearance and odor: Opaque/ Chemical Colors available: Undyed Solubility in water: Insoluble Weight, lb/gal, 60°F (15.6°C): 7.3 Specific gravity, (H₂O = 1): 0.877 Boiling point, °F (°C): NA Flash point, COC, °F (°C): >250 (>121) Fire point, COC, °F (°C): NA Freezing point (or pour point), °F, (°C): 14 (-10) If frozen, product separates. Thaw completely at room temperature and stir thoroughly. pH, concentrate: NA pH, NA mix, typical operating conditions: NA Total chlorine/chloride, wt%, calculated: 0.00/<50 ppm Total sulfur, wt%, calculated: 0.00 Silicone: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</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 B20136 8/14/2012</p>	

