



CUSTOMER-FOCUSED METALWORKING FLUID SOLUTIONS

OAKSPEC[®] D110 METALWORKING FLUID ADDITIVE

DESCRIPTION	<p>OAKSPEC D110 is a metalworking fluid additive, which can be used, in central systems or individual machines to provide improved ferrous corrosion control. Can be used in any Oak Signature fluid. Possible side effects are increased alkalinity and pH.</p>
WHEN TO USE	<p>Add OAKSPEC D110 to Oak Signature metalworking fluid mixes as recommended by Technical Services.</p>
HOW TO USE	<p>Pour OAKSPEC D110 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>

RECOMMENDED STARTING DILUTIONS	<p>FOR INDUSTRIAL USE ONLY Use dilution is 1:500 (0.2%) and 1:200 (0.5%).</p> <p>OAKSPEC D110 is to be added to metalworking fluid mixes as described above.</p>
TYPICAL PHYSICAL AND CHEMICAL PROPERTIES	<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): 8.97 Specific gravity, (H₂O = 1): 1.075 Boiling point, °F (°C): 212 (100.0) 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): 33 (0.6) If frozen, product separates. Thaw completely at room temperature and stir thoroughly. pH, concentrate: 10.8 pH, 0.5% mix, typical operating conditions: 9.2 Total chlorine/chloride, wt%, calculated: 0.00/< 50 ppm Total sulfur, wt%, calculated: 0.00 Silicones: None</p>
PACKAGING	Available in 5-gallon pails and 55-gallon drums.
<p>For additional information concerning OAKSPEC[®] D110, 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>	

