



## **OAK DRAW<sup>®</sup> 505**

**EVAPORATIVE LUBRICANT**

<b>APPLICATIONS</b>	<p><b>Oak Draw 505</b> is an "Evaporative" Lubricant developed for stamping, drawing and forming applications.</p> <p><b>Oak Draw 505</b> is primarily used to stamp sheet metal, and meets FDA requirements for can lid forming where post-process cleaning is prohibitive.</p> <p>The "evaporative" nature of this unique lubricant supplies high boundary lubrication, without leaving excessive residues.</p>
<b>COMPETITIVE ADVANTAGES</b>	<ul style="list-style-type: none"><li>• <i>May not require post cleaning.</i></li><li>• <i>Pre-tested on high-speed presses.</i></li><li>• <i>Uses ashless additives conforming to annealing processes.</i></li><li>• <i>Good die and tool life.</i></li><li>• <i>Non-staining to aluminum alloys.</i></li><li>• <i>Contains no water to promote rancidity, thereby ensuring optimum shelf-life in lubricant reservoirs.</i></li><li>• <i>Clean running product contains no oil.</i></li><li>• <i>Economical – Low end use cost.</i></li><li>• <i>Dry-to-touch on prepainted alloys.</i></li><li>• <i>Does not cloud leak test tanks.</i></li><li>• <i>Meets the following FDA requirements:</i><ul style="list-style-type: none"><li>FDA - CFR 21, 178.3910(Surface lubricants used in the manufacture of metallic articles)</li><li>176.200 (Defoaming agents used in coatings)</li></ul></li></ul>

<p><b>GETTING STARTED</b></p>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>OAK DRAW 505</b> is used as received and may be applied by spray, drip or brush methods.</p> <p>Add no other substances to the product unless approved by your OAK Representative.</p>
<p><b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b></p>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Clear colorless, chemical odor  <b>Solubility in water:</b> Insoluble  <b>Weight, lb/gal, 60°F (15.6°C):</b> 6.5  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 0.8  <b>Viscosity, SUS, 100°F:</b> 33  <b>Boiling point, °F:</b> &gt; 340  <b>Flash point, TagCC, °F (°C):</b> 124 (51.1)  <b>Extinguishing media:</b> CO<sub>2</sub>, foam, dry chemical  <b>Unusual fire &amp; explosion hazards:</b> See Flash Point  <b>pH, concentrate:</b> Not applicable  <b>Total chlorine, wt%, calculated:</b> 0.0  <b>Total sulfur, wt%, calculated:</b> 0.0  <b>Silicones:</b> None</p>
<p><b>PACKAGING</b></p>	<p><b>Available in 5-gallon pails, 55-gallon drums and bulk containers.</b></p>
<p>For additional information concerning <b>OAK DRAW 505</b>, refer to its OSHA MSDS or contact OAK INTERNATIONAL at 1-269-651-9790.</p> <p><b>WARRANTY:</b> Oak International, Inc. will grant credit on any product which proves defective in material or workmanship as determined by us subject to the following conditions: all material is subject to our inspection prior to issuing credit; any refund will be adjusted based on the volume of product used; no credit will be granted for used or unused product(s) over one year old as determined by the batch number. The terms in this warranty do not in any way extend to any product thereof covered by this agreement, which has a life, under normal usage, inherently shorter than the one year period indicated above. Except as set forth expressly in writing herein, there are no other warranties express or implied in respect of any product. No warranty of merchantability or fitness for purpose shall apply.</p> <p><b>LIMITATION OF LIABILITY:</b> 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.</p> <p><b>Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet. 8/15/2008 REV 1</b></p>	

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