



**OAK INTERNATIONAL**  
Global Metalforming Fluids

## **OAK DRAW<sup>®</sup> 528**

**EVAPORATIVE LUBRICANT**

<b>APPLICATIONS</b>	<p><i><b>Oak Draw 528</b> is a heavy-duty, evaporative, fin stamping and collar drawing lubricant developed specifically for the air conditioning and heat transfer industries.</i></p> <p><i><b>Oak Draw 528</b> combines high boundary lubrication and synthetic polymer chemistry to offer the ultimate collar drawing product without the use of oil.</i></p> <p><i><b>Oak Draw 528</b> is the product of choice when production demands require higher and/or unusual collar configurations.</i></p> <p><i><b>Oak Draw 528</b> is primarily used on aluminum substrates but will perform light to medium-duty forming operations on ferrous metals as well.</i></p>
<b>COMPETITIVE ADVANTAGES</b>	<ul style="list-style-type: none"><li>• Pre-tested on fin lines around the world.</li><li>• Safe on most metal alloys. (May stain some copper alloys.)</li><li>• Post process cleaning is usually unnecessary.</li><li>• Ideally suited for drawing unusual collar configurations.</li><li>• Good die and tool life.</li><li>• Clean running product contains no oils.</li></ul>

<b>GETTING STARTED</b>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>OAK DRAW 528</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>
<b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Clear, characteristic  <b>Color available:</b> Colorless  <b>Solubility in water:</b> Insoluble  <b>Weight, lb/gal, 60°F (15.6°C):</b> 6.4  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 0.77  <b>Viscosity SUS, 100°F:</b> 40  <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>
<b>PACKAGING</b>	<p><b>Available in 5-gallon pails, 55-gallon drums and bulk containers.</b></p>
<p>For additional information concerning <b>OAK DRAW 528</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. 1/2/08 REV</b></p>	

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