



## **OAK KLEEN 303-CP**

### **METALWORKING CLEANER CONCENTRATE**

<b>APPLICATIONS</b>	<p><b>OAK KLEEN 303-CP</b> is a liquid, medium-duty, alkaline spray/immersion cleaner for ferrous and aluminum metals.</p> <p><b>OAK KLEEN 303-CP</b> combines good detergency with built-in protection against corrosion, making it an excellent choice for both single stage and multiple stage cleaning systems.</p> <p><b>OAK KLEEN 303-CP</b> will remove cutting oils, coolants, drawing/stamping lubricants, quenching oils and shop dirt from steel and aluminum alloys. It is also recommended for cleaning large or small metal parts after machining, cleaning parts after heat treatment process, removing in-process corrosion inhibitors prior to painting or subsequent operations, ultrasonic cleaning of parts, removing drawing and stamping lubricants after forming operations, vibratory cleaning and removing mill and quench oils.</p>
<b>COMPETITIVE ADVANTAGES</b>	<p><b>HIGH DETERGENCY AND GOOD METAL WETTING PROPERTIES</b></p> <p><b>“SPLITS OUT” OILS AND OTHER SOILS FOR MAXIMUM TANK LIFE AND FACILITATES DISPOSAL PROCEDURES</b></p> <p><b>VERY LOW FOAMING</b></p> <p><b>PROVIDES SHORT-TERM INDOOR PROTECTION AGAINST CORROSION WHEN <u>NOT</u> RINSED OFF</b></p> <p><b>INHIBITS REDEPOSITION OF SOIL ON PARTS AFTER CLEANING</b></p> <p><b>VERSATILE</b> – Spray or immersion (hard or soft water)</p> <p><b>LOW TEMPERATURE FORMULATION (65-165°F)</b></p> <p><b>ENVIRONMENTALLY SOUND</b> – Does not contain silicates, phosphates, chelates, nitrates, or solvents</p> <p><b>SAFE</b> – Low pH formulation is easy on personnel and equipment</p> <p><b>DEPENDING ON PAINT FORMULATION, METAL CLEANED WITH OAK KLEEN 303-CP CAN BE PAINTED WITHOUT PRIOR RINSING</b></p>

<p><b>GETTING STARTED</b></p>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>OAK KLEEN 303-CP</b> is to be mixed with water for use (add concentrate to water).</p> <p><b>Spray Washers – 4-6% (1:25 – 1:16) by volume, 140-165°F.</b>  <b>Immersion Washers – 4-9% (1:25 – 1:11) by volume, 65-165 °F</b>  <b>Ultrasonic and Vibratory systems – 4-9% (1:25 1:11) by volume, 65-165 °F</b></p> <p>Note: Do <u>not</u> rinse if corrosion protection is required.</p> <p>Add no other substances to the concentrate or mix unless approved by your OAK Representative. Not recommended for use with magnesium or alloyed magnesium.</p>
<p><b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b></p>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Slightly hazy, characteristic  <b>Color available:</b> Yellow  <b>Solubility in water:</b> 100% miscible  <b>Weight, lb/gal, 60°F (15.6°C):</b> 8.7  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 1.04  <b>Boiling point, °F (°C):</b> &gt;212 (100)  <b>Flash point, COC, °F (°C):</b> NA  <b>Fire point, COC, °F (°C):</b> NA  <b>Extinguishing media:</b> NA  <b>Unusual fire &amp; explosion hazards:</b> None  <b>Freezing point (or pour point), °F, (°C):</b> 26 (-3)  If frozen, product separates. Thaw completely at room temperature and stir thoroughly.  <b>pH, concentrate:</b> 10  <b>pH, 5.0% mix, typical operating conditions:</b> 9.5</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 KLEEN 303-CP</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. 12/14/07 REV</b></p>	

Oak International, Inc., 1160 White St., Sturgis, MI 49091  
Ph. 269-651-9790 Fax 269-651-7849 [www.oakinternational.com](http://www.oakinternational.com)