K-PURE CDI-4311 is a 100% active organic liquid additive designed to passivate the corrosion of aluminum in water, solvent and solventless systems.

**ADVANTAGES:**
Low viscosity ionic solution

**TYPICAL PROPERTIES:**
- **Appearance:** Clear Amber liquid
- **% Active:** 100
- **Weight per gallon, 25°C:** 7.9
- **Viscosity, 40°C, cSt:** 78

**APPLICATIONS:**
Cleaners, Strippers, CMP Slurries, adhesives and coatings

**TYPICAL USAGE LEVELS:**
Usage level will be dependent upon the application and conditions in which the finished product will be used. A ladder study is recommended in all cases. Typical starting point for solution corrosion control is 1% as supplied. In resin systems such as coatings or adhesives, 3% is a typical starting point.

**INCORPORATION:**

**SHELF LIFE:**
12 months from the date of manufacture, when stored at ambient conditions in the original container.

**HANDLING & STORAGE:**
Safe handling of this product should include the use of safety glasses and gloves. Avoid breathing vapors – use adequate ventilation. Product should be stored in lined or glass containers away from sunlight and excessive heat. Refer to SDS for detailed information.

**REGULATORY:**
Please refer to the Safety Data Sheet.

Polished aluminum panels partially immersed in water based solution, pH 10 for 24 hours at 50C.

<table>
<thead>
<tr>
<th></th>
<th>Immersed</th>
<th>Vapor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formulation with out Additive</td>
<td>→</td>
<td></td>
</tr>
<tr>
<td>Additive A</td>
<td>→</td>
<td></td>
</tr>
<tr>
<td><strong>K-PURE CDI-4311</strong></td>
<td>→</td>
<td></td>
</tr>
<tr>
<td>Additive B</td>
<td>→</td>
<td></td>
</tr>
</tbody>
</table>

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. (“King”). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.