K-PURE® CXC-2713 is an amine blocked thermal acid generator designed for use in coatings and adhesives. Its activation range is between 120°C and 140°C depending upon time, formulation components and film thickness. K-PURE® CXC-2713 is ideally suited as a catalyst for amino cross-linkable (melamine, self-condensed melamine, glycoluril, urea) or silanol and alkoxy silane cross-linkable resins.

### ADVANTAGES:
- Sharp Activation Profile
- Water soluble

### TYPICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear straw solution</td>
</tr>
<tr>
<td>Solvent</td>
<td>Isopropanol/Methanol</td>
</tr>
<tr>
<td>Active Acid content, %</td>
<td>25.0 +/- 10%</td>
</tr>
<tr>
<td>Activation Range, °C</td>
<td>120-140</td>
</tr>
</tbody>
</table>

### SOLUBILITY:
Soluble in water, butanol and ethyl lactate. Limited solubility in PGMEA.

### APPLICATIONS:
- Anti-reflective Coatings where ions are not a concern
- Resist under layers (bilayer, trilayer resists)
- Siloxane etch stop hard-masks

### TYPICAL USAGE LEVELS:
0.1 - 3.0 % as supplied on total resin solids.

### INCORPORATION:
May be added directly to the formulation.

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

### HANDLING & STORAGE:
Handle with extreme care and consult the MSDS for safe handling.

### REGULATORY:
Please refer to the Material Safety Data Sheet.

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