**Introduction**

TACFlux® 055 is an air reflow, halogen-free, no-clean flux used with SnBi and SnBiAg alloys. TACFlux® 055 provides excellent wetting in air and nitrogen and provides the low activation temperature necessary for the low-melting SnBi and SnBiAg alloys.

**Properties**

<table>
<thead>
<tr>
<th>J-STD-004 (IPC-TM-650)</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux Type Classification</td>
<td>ROL0</td>
</tr>
<tr>
<td>Flux-Induced Corrosion (Copper Mirror)</td>
<td>Pass</td>
</tr>
<tr>
<td>Presence of Halide:</td>
<td></td>
</tr>
<tr>
<td>– Silver Chromate</td>
<td>Pass</td>
</tr>
<tr>
<td>– Fluoride Spot Test</td>
<td>Pass</td>
</tr>
<tr>
<td>– Cl Equivalent</td>
<td>0%</td>
</tr>
<tr>
<td>SIR</td>
<td>Pass</td>
</tr>
<tr>
<td>Viscosity (C &amp; P)</td>
<td>16kcps (Cone &amp; Plate viscosity @ 5 minutes)</td>
</tr>
<tr>
<td>Tack</td>
<td>215g</td>
</tr>
</tbody>
</table>

**Additional Test Results**

- Appearance: Light yellow-amber
- Maximum Reflow Temperature: 200°C
- Reflow Atmosphere: Nitrogen or air
- Shelf Life: 1 year
- Storage Condition: Stored @ 0–30°C (tip down for syringe/cartridge)

**Packaging**

TACFlux® 055 is available in 10 and 30cc syringes or 100g jars; however, other packaging can be provided to meet specific requirements.

**Cleaning**

TACFlux® 055 is designed for no-clean applications. If necessary, the flux can be removed by using a commercially available flux cleaner.

**Reflow**

Peak reflow temperature should be <200°C in an air or nitrogen atmosphere.

**Storage**

TACFlux® 055 syringes and cartridges should be stored tip down at 0–30°C. If refrigerated, TACFlux® 055 should be thawed for 4 hours at room temperature before using.

**Technical Support**

Indium Corporation’s internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Materials Science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon, and paste. Indium Corporation’s Technical Support Engineers provide rapid response to all technical inquiries.

**Safety Data Sheets**

The SDS for this product can be found online at http://www.indium.com/sds

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This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices. All Indium Corporation’s products and solutions are designed to be commercially available unless specifically stated otherwise.

All of Indium Corporation’s solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.

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**From One Engineer To Another**

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