**PRODUCT DATA SHEET**

**TACFlux® 057**

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**Introduction**

*TACFlux® 057* is an air reflow, halogen-free, no-clean flux used with SnBi and SnBiAg alloys. *TACFlux® 057* 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>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>J-STD-004 (IPC-TM-650)</td>
<td></td>
</tr>
<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: Silver Chromate Fluoride Spot Test CI Equivalent</td>
<td>Pass Pass 0%</td>
</tr>
<tr>
<td>SIR</td>
<td>Pass</td>
</tr>
<tr>
<td>Viscosity (C &amp; P)</td>
<td>13.0kcps</td>
</tr>
<tr>
<td>Tack</td>
<td>115 grams</td>
</tr>
</tbody>
</table>

**Additional Test Results**

- Appearance: Light Yellow–Amber
- Maximum Reflow Temperature: 200°C
- Reflow Atmosphere: Nitrogen or Air
- Shelf Life: 12 months
- Storage Condition: Stored @ 0–30°C (tip down for syringe/cartridge)

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**Reflow**

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

**Storage**

*TACFlux® 057* syringes and cartridges should be stored tip down at 0–30°C. If refrigerated, *TACFlux® 057* 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 Material 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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**From One Engineer To Another**

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