**PRODUCT DATA SHEET**

**Indalloy® Flux #4-OA**

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**Introduction**

*Indalloy® Flux #4-OA* is a clear liquid flux formulated for the purpose of soldering moderately easy to difficult metallizations such as nickel, oxidized copper, Kovar, and brass. This flux contains organic salts in a water-free water-soluble solvent.

**Cleaning**

Flux residue removal is mandatory and may be accomplished by means of warm water and detergent. Cleaning should be performed as soon as possible after the soldering operation to avoid corrosion. The cleaning water temperature should not exceed 50°C. High water temperature may cause secondary reactions and result in corrosion and/or pitting. A warm water sonication can also help to remove flux residue.

**Solder Alloy Compatibility**

*Indalloy® Flux #4-OA* works well with all types of soft solders.

**Flux Application**

*Indalloy® Flux #4-OA* can be brushed or sprayed on.

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**Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indium Part Number (IPN)</td>
<td>84004</td>
</tr>
<tr>
<td>Activation Range</td>
<td>100–250°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.875gm/cc</td>
</tr>
<tr>
<td>Flash Point</td>
<td>11°C</td>
</tr>
<tr>
<td>Solids Content</td>
<td>23%</td>
</tr>
<tr>
<td>Appearance</td>
<td>Water white</td>
</tr>
<tr>
<td>Cleaning</td>
<td>Warm water (&lt;50°C) and detergent</td>
</tr>
<tr>
<td>Shipping</td>
<td>Transport in accordance with applicable regulations and requirements</td>
</tr>
</tbody>
</table>

All information is for reference only. Not to be used as incoming product specifications.

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**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](http://www.indium.com/sds)

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From One Engineer To Another™

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