Rosin Flux #784

Features
- High activity
- Leaves shiny solder joints
- Non-tacky board surface shortly after soldering
- Can be cleaned effectively using saponifiers or solvents

Introduction
Rosin Flux #784 is a specially formulated activated rosin flux exhibiting excellent wetting power. The solvent system keeps evaporation losses to a minimum on continuous exposure to aeration and working conditions.

Physical Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
<th>784</th>
<th>16-784</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td></td>
<td>Amber</td>
<td>Clear</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td></td>
<td>0.842</td>
<td>0.842</td>
</tr>
<tr>
<td>@15.5°C (60°F)</td>
<td></td>
<td>0.838</td>
<td>0.838</td>
</tr>
<tr>
<td>@25°C (77°F)</td>
<td></td>
<td>0.842</td>
<td>0.787</td>
</tr>
<tr>
<td>Solids Content</td>
<td></td>
<td>15%</td>
<td>0%</td>
</tr>
<tr>
<td>Flash Point (°F TCC)</td>
<td></td>
<td>61</td>
<td>61</td>
</tr>
<tr>
<td>J-STD-004A Flux Type</td>
<td></td>
<td>ROH1</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

Process Recommendations
Rosin Flux #784 is formulated for use with foam flux operations, but can also be applied by dipping, brushing, and spraying. When foam fluxing, the following guidelines will provide best results:

- Keep foam head, wave height, or pot level consistent through appropriate adjustments. Replace flux every forty (40) hours of operation.
- Adjust specific gravity to the nominal level ±0.01 either with automated equipment or manually with a hydrometer. Evaporated solvent should be replenished by addition of Indium 16-784 thinner.
- Add fresh flux to maintain the appropriate level.
- Clean fluxing equipment regularly to remove debris, trapped oil or water. Clean the foaming stone in 16-784 thinner.

Safety Precautions
All fluxes with low flash points should be handled with utmost care and precaution. They should be stored in a dry, well-ventilated area, and flames, sparks, and direct heating should be avoided.

Packaging
- 1-gallon containers
- 5-gallon containers
- 55-gallon drums

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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