

Product Data Sheet

NC-771 Pb-Free, No-Clean Flux

Features

- Passes SIR test in the un-reflowed state
- Halogen-free
- Backwards compatible with eutectic Sn/Pb
- Ideal for high-reliability electronic circuitry
- Benign, non-sticky, post reflow residue
- Provides excellent wetting
- Wide reflow process window

Introduction

NC-771 is a halogen-free, low-residue, all-purpose liquid flux that passes the SIR test in the un-reflowed state. It can be used in a standard Sn/Pb or Pb-free rework or soldering process. In addition to the aesthetic benefits, the ultra-low post reflow residue is non-tacky and will not interfere with probe testing.

Process Recommendations

NC-771 is a multi-purpose flux that can be used in an SMT rework process or almost any soldering application that requires the addition of a liquid flux. Typical application methods include a flux pen that allows you to apply a precise amount of flux to the solder joint. It can also be sprayed on for use in a selective soldering process or dispensed out a flux bottle. Care should be taken not to flood the solder joint and to apply the flux only to areas that will be exposed to complete heating from the solder iron or rework tool.

NC-771 is designed for no-clean applications. However, the flux can be removed if necessary by using a commercially available flux remover.

Physical Properties

Test	Result
Color:	Clear
Flash Point (°F TCC)	12
Smell	Alcoholic

Packaging

NC-771 can be supplied in flux pens or in plastic containers.

Shelf Life:

1 year when stored at 0 - 30°C



Material Safety Data Sheet

The MSDS for this product can be found online at <http://www.indium.com/techlibrary/msds.php>

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 Technical Support engineers provide Rapid Response to all technical inquiries.

J-STD-004A TESTING RESULTS

Test	Result
• Flux Type Classification	ORLO
• SIR	Pass
• Copper Mirror	Type L
• Silver Chromate	Pass
• Fluoride Spot Test	Pass
• Corrosion	Pass
• Acid Value (nominal)	32.5 mg KOH/gm
• Specific Gravity (nominal)	0.825
• Flux Solids (typical)	5.0%

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

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Form No. 97675 R4

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