

PRODUCT DATA SHEET

NC-771

Pb-Free, No-Clean Flux

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 SnPb 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.

Features

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

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 from 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.

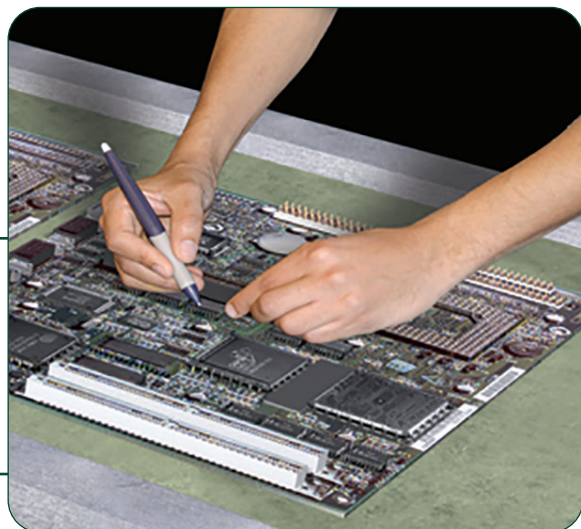
NC-771 is designed for no-clean applications; however, the flux can be removed, if necessary, by using a commercially available flux remover.

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.



J-STD Tests and Results

Test	Result
J-STD-004A (IPC-TM-650)	
Flux Type Classification	ORLO
SIR	Pass
Copper Mirror	Type L
Silver Chromate	Pass
Fluoride Spot Test	Pass
Corrosion	Pass
Acid Value (nominal)	32.5mg 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.*

Shelf Life

One (1) year from DOM when stored at 0–30°C.

Technical Support

Indium Corporation sets the industry standard in providing rapid response, onsite technical support for our customers worldwide. Indium Corporation's team of Technical Support Engineers can provide expertise in all aspects of Materials Science and Semiconductor Packaging process applications.

Safety Data Sheets

Please refer to the SDS document within the product shipment, or contact our local team to receive a copy.

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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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