

## PRODUCT DATA SHEET

# NC-10HF

## Flux Coating for Solder Preforms

### Introduction

Flux-coated solder preforms give you exact, repeatable amounts of solder for your manufacturing process without adding an extra step for applying flux. Both the solder preforms and flux are made to very tight tolerances, resulting in consistent solder joints. This improves efficiency and manufacturing yields.

The formulation and application of the flux coating for **NC-10HF** provide increased adherence of the flux to the preform. This formula minimizes clogging of pick and place equipment or bowl feeders, while putting the flux between the solder and the substrate where it is the most efficient.

**NC-10HF** is a halide-free, no-clean formulation that can be used on any substrate surface and coated onto any solder material.



### Features

- Halide-free
- No-clean
- Usable on all substrate surfaces
- Usable with all alloys
- Compatible with pick and place or bowl feeding equipment
- Available in colors to distinguish similar parts (color has no impact on soldering ability)

### Flux Percentage

The recommended amount of flux coating is generally  $1\% \pm 0.5\%$  by weight. This precise amount of flux eliminates operator variations when applying flux as a separate step. It also reduces the post reflow flux residue. Coatings up to 3% are possible, although not generally required.

### Cleaning

**NC-10HF** is designed for no-clean applications. If desired, the flux residue can be removed by a commercially available flux cleaner.

IPC Classification	Substrate Finishes	Reliability J-STD-004
ROLO	Au, Ag, Pd, Pt, Cu, HASL, ENIG, Sn, Ni	Pass

### 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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