

## PRODUCT DATA SHEET

# FC-NC-HT-A1

## Flip-Chip Flux

### Introduction

**FC-NC-HT-A1** is no-clean, halide-free, sprayable liquid flux designed for flip-chip attachment. It can be used in a nitrogen atmosphere.

**FC-NC-HT-A1** is relatively low in viscosity to accommodate spraying and spin coating. It can be used for Sn/Pb and Pb-free alloys.

### Features

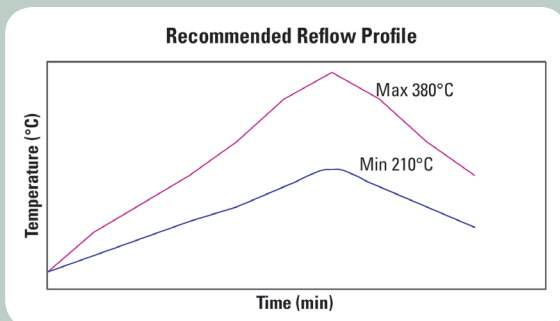
- Ultra-low residue
- Excellent wetting
- No-clean
- Sprayable and dispensable

### Properties

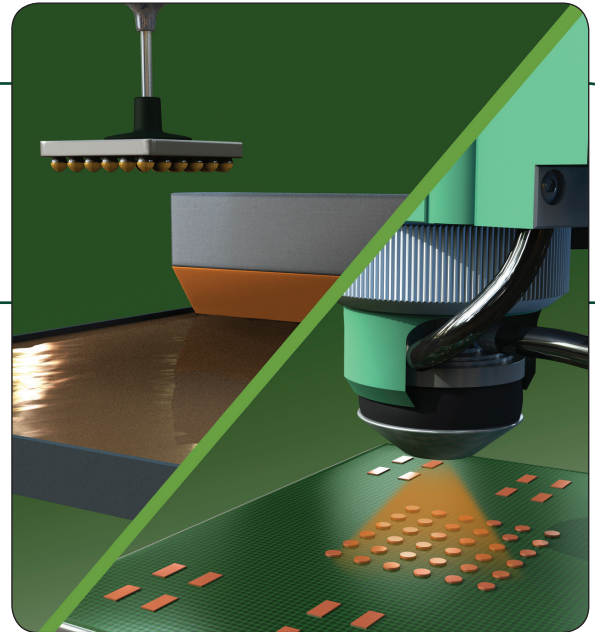
Typical Viscosity	60 centistokes (cst)
Acid Number (Typical)	32
Flash Point	37°C
Reflow Atmosphere	Nitrogen
Max Reflow Temperature	380°C
SIR	Pass
Cleaning	Not needed

### Reflow

#### Recommended Profile:



This is the standard reflow profile for **FC-NC-HT-A1**. The time to peak should be about 3 to 5 minutes. The peak temperature should be 20°C more than the melting point of the metal. Time above liquidus should be about 40 to 70 seconds.



### Cleaning

**FC-NC-HT-A1** is designed for no-clean applications. If necessary, any residues can be removed using a semi-aqueous system, saponified water, alcohols, or other CFC-free alternatives.

### Packaging

- 1 liter bottle
- 8 oz. (0.237 liter) bottle
- 1 oz. (29.57 milliliters) bottle

### Storage and Handling

The shelf life of **FC-NC-HT-A1** is 3 months when stored at 18–30°C.

Flux should be allowed to reach ambient working temperature prior to use. Bottles should be labeled with date and time of opening.

### Technical Support

Indium Corporation's internationally experienced Technical Support Engineers provide in-depth technical assistance to our customers and 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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