

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

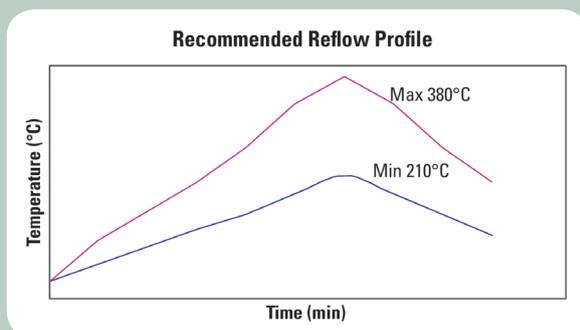
- Ultra-low residue
- Excellent wetting
- No-clean
- Sprayable and dispensable

Properties

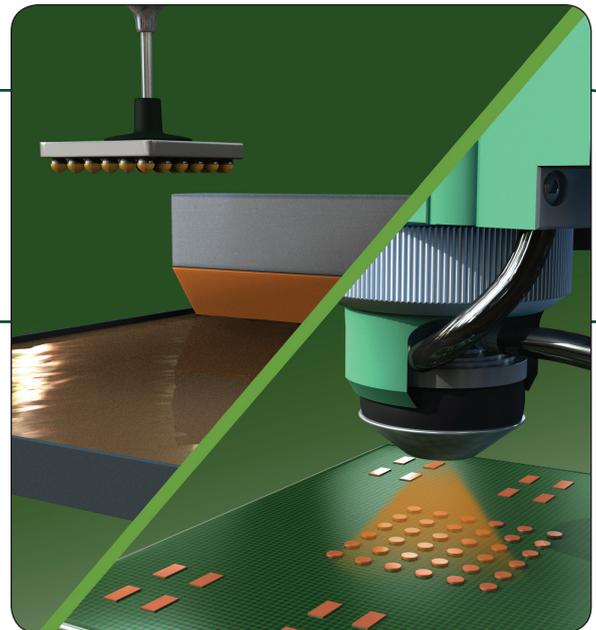
Typical Viscosity	60 centistokes (cst)
Acid Number (Typical)	32
Flash Point	37°C
Reflow Atmosphere	Nitrogen
Max Reflow Temperature	380°C
SIR	Pass
Cleaning	Not needed

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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