

Product Data Sheet

Flip-Chip Flux FC-NC-HT-A1

Features

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

Introduction

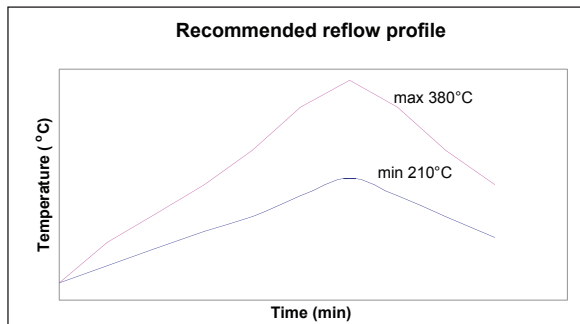
FC-NC-HT-A1 is no-clean, halide-free, sprayable liquid flux designed for flip-chip attachment. It can be used in a nitrogen atmosphere.

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

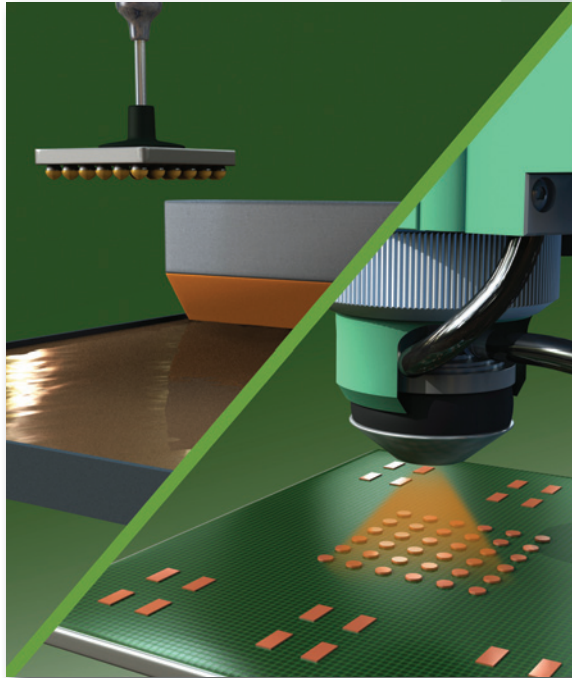
Properties

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



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 70sec.



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.

Material Safety Data Sheet

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

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the

products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices.

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