

PRODUCT DATA SHEET

CF100

REACH-Compliant Liquid Flux

Introduction

CF100 is a heat-stabilized rosin flux designed for soldering with preforms or wire. It is formulated for use with a wide range of temperatures and metallizations, and is free of materials listed in the REACH SVHC list (Q2, 2015).

CF100 is a no-clean, mildly activated flux. It is compatible with Pb-free alloys, as well as with high-Pb and SnPb alloys.

Cleaning

CF100 is a no-clean flux. Removal of post-reflow flux residue is usually not necessary. If cleaning is desired, commercially available flux residue removers can be used.

Because **CF100** is a fully-activated flux, the post-reflow residue must be removed. Solvent-based or semi-aqueous cleaners should be used to remove any flux residues.

Packaging

Standard packaging for **CF100** is 1 U.S. pint (0.473 liter) and 1 U.S. gallon (3.785 liters).

Properties	CF100 Flux	Test Method
Flux Type	ROLO	J-STD-004
Application Technique	Spray	
Specific Gravity	0.9	
Typical Viscosity	13–17cSt	Brookfield Viscometer or Zahn Cup
SIR Testing	Pass	J-STD-004
Typical Acid Value	78–98mg KOH/g	Titration
Typical Tack Strength	Below detection limit	J-STD-005
Shelf Life at 0–30°C	6 months	Viscosity Change/ Microscope Examination
Typical Post-Reflow Residue Weight	<10%	TGA Data Post-Reflow Residue

*All information is for reference only.
Not to be used as incoming product specifications.*

Storage and Handling

The shelf life of **CF100** is 1 year when stored at 0–30°C. Flux should be allowed to reach ambient temperature prior to use. Containers should be labeled with date and time of opening.

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

The SDS for this product is available by contacting askus@indium.com

Recommended Application Notes

- *Flux and Solder Compatibility* (Form No. 97751)
- *Common Elements* (Form No. 98557)
- *Pb-Free Solder FAQs* (Form No. 97758)
- *Practical Suggestions for Preform Design* (Form No. 97763)

Other Recommended Products

- Solder preforms
- Solder wire
- Solder research kits

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