

## Product Data Sheet

# CW-801 No-Clean Cored Wire Solder



### Features

- Optimized for use with Sn/Pb and Pb-Free assembly and rework processes
- Fast and excellent wetting to common Pb-Free surface finishes including: ImmSn, ENIG, OSP and ImmAg
- Minimal spattering & low odor
- Resistant to charring
- Reduced smoking
- Halogen-free

### Residue Removal

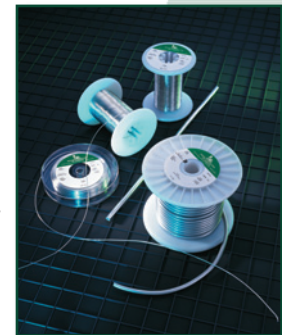
The flux in **CW-801** is formulated for use in a no-clean assembly process. If cosmetics or the end use application requires removal of the post reflow residue, standard rosin-based residue removal techniques can be utilized. This includes but is not limited to, spray in air, spray, vapor degreasing or ultrasonic type cleaning processes.

### Storage

**CW-801** has a shelf life of 2 years when stored in a dry, non-corrosive environment such as a low humidity dry cabinet. Direct sunlight, excessive humidity and storage near heat sources should be avoided.

### Technical and Customer 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.



### Material Safety Data Sheets

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

### Introduction

**CW-801** wire solder is cored with a high reliability no-clean flux that is compatible with Indium's full line of Pb-Free soldering materials. It provides excellent solder spread with minimal smoking and low odor. The fast wetting speed is beneficial in minimizing rework cycle time which is typically longer with Pb-Free solders.

### Product Description

Spool Weight	500g or 1lb
Flux Percentage	2%
Available Alloys	Per J-STD-006A Variation C 96.5Sn/3.0Ag/0.5Cu (SAC305) 63.0Sn/37.0Pb 62.0Sn/36.0Pb/2.0Ag

### Wire Diameters

Wire solder length per spool	
Wire Diameter	Sn96.5 Ag3.0 Cu0.5 (SAC305)
0.010 ±.002" (.254mm ±.051mm)	4550ft (1385m)
0.015 ±.002" (.381mm ±.051mm)	2025ft (618m)
0.020 ±.002" (.508mm ±.051mm)	1140ft (347m)
.032 ±.002" (.813mm ±.051mm)	445ft (136m)

Values are only **approximate**. Actual lengths will vary.

### BELLCORE AND J-STD-004A TESTING RESULTS

Test	Result	Test	Result
<b>IPC J-STD-004A</b>		<b>Bellcore GR-78-CORE</b>	
• Flux Type Classification	RELO	• Electromigration	Pass
• Copper Mirror	Type L		
• Silver Chromate	Pass		
• Fluoride Spot Test	Pass		
• Corrosion	Pass		
• SIR	Pass		

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

This product data sheet is provided for general information only. It is not intended, described which are sold subject exclusively to written warranties and limitations and shall not be construed, to warrant or guarantee the performance of the products thereon included in product packaging and invoices.

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