

## PRODUCT DATA SHEET

# Indium C-1 Conditioner

### Introduction

**C-1 Conditioner** is a benign purging compound designed for use with solder paste and flux dispensing valves. It is a vital part of a proper maintenance program to ensure high dispensing yields and consistent volume deposition. Regular use of **C-1 Conditioner** will prevent solder paste from building up and drying out in dispensing valves and needle tips. Hours will be saved as frequent disassembly for cleaning can be eliminated.

### Features

- Maintains high yields when dispensing
- Prevents inconsistent dispense volumes and clogging due to solder paste drying out in dispensing equipment and tips
- Allows easy equipment cleaning and maintenance to ensure long dispensing valve and tip life
- Compatible with all of Indium's dispensable solder paste and TACFlux® products
- Residual conditioner will not effect subsequent dispensing and reflow process

### Process Recommendations

#### Valve Purging

1. Remove the syringe of solder paste from the dispense valve and place cap on unused material. Store syringe of solder paste tip down.
2. Remove cap from the syringe of **C-1 Conditioner** and thread onto dispense valve.
3. Cycle system until all remaining solder paste is purged from dispensing valve and needle tip. Process is complete when **C-1 Conditioner** flows freely from tip and the color of material is similar to that in the syringe.
4. Power down equipment leaving the syringe of **C-1 Conditioner** in place.

#### Equipment Start-up

1. Remove the syringe of **C-1 Conditioner** and replace with a syringe of solder paste.
2. Cycle the system until a uniform output of solder paste is observed.
3. **C-1 Conditioner** should be used when the dispensing equipment will remain idle for 8 hours or more.

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All of Indium Corporation's solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.

### From One Engineer To Another®

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### Cleaning

**C-1 Conditioner** can be cleaned with hot water and detergent or saponified water, if necessary.

### Packaging

Available in standard 5cc, 10cc, and 30cc syringes.

### Storage and Handling Procedures

| Storage Conditions (unopened containers) | Shelf Life |
|--|------------|
| <10°C                                    | 6 months   |

**C-1 Conditioner** may be stored at room temperature with a shelf life of 6 months.

### Safety

Read SDS before using. Avoid accidental ingestion or contact with eyes. Wash hands thoroughly after use. Gloves are recommended when handling solder paste or flux products.

### Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Materials 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.

### Safety Data Sheets

Please refer to the SDS document within the product shipment, or contact our local team to receive a copy.



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