

## CircuitWorks® Water Soluble Flux Dispensing Pen

Product# CW8300

### Product Description

CircuitWorks Water Soluble Flux Pen is designed specifically to apply water soluble flux with precision control. The Water Soluble Flux consists of a neutral pH organic water soluble flux compatible with most solder masks. The high activity organic product cleans easily with water, reducing cleaning cost

- pH neutral
- Completely portable package
- Cleans with water
- Excellent material compatibility
- Good soldering properties
- ORH1 Classification

### Typical Applications

CircuitWorks Flux Dispensing Pens precisely dispense flux on:

- Printed Circuit Boards
- Chip Carriers
- Heat Sinks
- Surface Mount Device Pads
- Switches
- Sockets



### Typical Product Data and Physical Properties

Flux Type:	Water Soluble ORH1
Flash Point (TCC):	60°F (16°C)
pH:	6.0 – 7.0
Appearance:	Yellow liquid
Odor:	Slight
Shelflife	2 years
RoHS Compliant	Yes

### Reliability Properties

**Copper Mirror Corrosion:** High

Tested to J-STD-004, IPC TM-650, Method 2.3.32

**Corrosion Test:** High

Tested to J-STD-004, IPC-TM-650, Method 2.6.15

**Silver Chromate:** Fail

Tested to J-STD-004, IPC-TM-650, Method 2.3.33

**Chloride and Bromides:** 2.2%

Tested to J-STD-004, IPC-TM-650, Method 2.3.35

**Fluorides by Spot Test:** Pass

Tested to J-STD-004, IPC-TM-650, Method 2.3.35.1

**SIR, IPC (typical):** Pass

Tested to J-STD-004, IPC-TM-650, Method 2.6.3.3

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### Compatibility

CircuitWorks Water Soluble Flux Pen is generally compatible with most materials used in the electronics industry. As with any cleaning agent, material compatibility should be determined on a non-critical area prior to use.

### Usage Instructions

*For industrial use only. Read SDS carefully prior to use.*

**Flux Application:** Water Soluble Flux should only be applied to areas to be soldered. Hold pen vertically, touch surface of PCB and briefly depress tip to start liquid flow. Lightly wipe pen tip over surface to be fluxed. Use a ControlWipe dry wipe to remove flux buildup.

**Cleaning:** Flux residues must be removed after soldering as they are conductive and corrosive. No neutralizer, saponifiers or detergent are necessary for complete removal of flux residues. It is not recommended to use high mineral content tap water, therefore deionized or softened water may be used for cleaning. The optimum water temperature is 54-66°C (130-150°F). Chemtronics Flux-Off Water Soluble may also be used as a flux remover.

### Availability

CW8300 9g / 0.32 oz. Flux Pen

### Environmental Impact Data

ODP	None
HCFC	None
VOC	Yes
HFC	None

### Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

*The toll free number is: 1-800-TECH-401.*

### Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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