

# CHEMTRONICS®

## Application Sheet

**APS # Flux Pens**

### Kester Flux Pens Cross

As stated in their May 15<sup>th</sup> 2013 letter, Kester will be eliminating their liquid flux pen line on August 16, 2013, with a last time buy being offered until August 15, 2013. As the availability of their flux pens becomes limited, Chemtronics realizes the need for flux in convenient dispensers, and will continue to provide our flux pens as general replacements for non-specified fluxes. Our recommended replacements are as follows:

Formula	Kester Part #	Chemtronics Part #	Formula	Comments
951	83-1000-0951	CW8100	No Clean Flux	951 is a low solids flux, ORL0 per J-STD-004; CW8100 has higher solids, with some rosin, ROL0 per J-STD-004.
186	83-1000-0186	CW8200	Rosin Flux	Kester 186 is type RMA, while Chemtronics is type R. Both are ROL0 per J-STD-004.
2331-ZX	83-1097-2331	CW8300	Water Soluble Flux	Both are ORH1 per J-STD-004.
959T	83-1020-0959	CW8100	No Clean Flux	959T has higher solids, a small percentage of rosin, and was formulated specifically for wave soldering, ORL0 per J-STD-004. CW8100 has higher solids, with some rosin, ROL0 per J-STD-004.
952-D6	83-1046-0952	CW8400	Lead Free Flux	952-D6 is ORL0 per J-STD-004, while CW8400 is ROL0 per J-STD-004.
186-18	83-1018-0186	CW8200	Rosin Flux	Kester 186-18 is type RMA to RA, while Chemtronics is type R.
985M	83-1004-0985	CW8100	No Clean Flux	985M has lower solid content, both are ROL0 per J-STD-004.
952-S	83-1001-0952	CW8400	Lead Free Flux	S952-S is specially designed for spray fluxing.

#### Bulk Applicator Dispensing Pen

Processes that specify a specific Kester flux product can benefit from using the CircuitWorks® BA Dispensing Pens. These dispensers offer the versatility of being compatible with most Kester fluxes, and are able to hold up to 40 ml of liquids, increasing use time between fillings. The body of this pen is made from durable aluminum, making it more resistant to corrosion than tin-plate dispensers. The large stable base lets the user stand the pen on its end, minimizing bench space used, and its unique cap prevents the pen from rolling if laid on its side.



**TECHNICAL HOT LINE 1-800-TECH-401**

## Products

### **Water Soluble Flux Dispensing Pen – CW8300**

- Applies a neutral pH organic water soluble flux for rapid soldering
- Chisel tip marker provides exact delivery of flux to surface
- Flux meets ANSI/IPC J-STD-004, ORH1 Classification
- Easily removed with water
- RoHS Compliant

### **No Clean Flux Dispensing Pen – CW8200**

- Applies a patented noncorrosive, halide free, organic no-clean flux
- Flux meets Bellcore TR-N-NWT-000078 and IPC SF-818 for Surface Insulation Resistance
- Flux meets ANSI/IPC J-STD-004, Type ROL0

## **TECHNICAL & APPLICATION ASSISTANCE**

Material safety data sheets (MSDS's) and technical data sheets (TDS's) are available at [www.chemtronics.com](http://www.chemtronics.com). Chemtronics® provides a technical hotline to answer your technical and application related questions. The toll free number is: 1-800-TECH-401.

## Availability

### **CircuitWorks® Flux Dispensing Pens**

**Water Soluble Flux Dispensing Pen  
CW8300** 9 g (0.32 oz) pen

**Lead-Free Flux Dispensing Pen  
CW8400** 9 g (0.32 oz) pen

**No Clean Flux Dispensing Pen  
CW8100** 9 g (0.32 oz)

**Rosin Flux Dispensing Pen  
CW8200** 9 g (0.32 oz)

**BA Dispensing Pen  
CW7000** 2 empty pens, 2 extra nibs

## **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.

### **Lead-Free Flux Dispensing Pen – CW8400**

- Applies a noncorrosive, halide free, no clean flux for high temperature, lead-free application
- Can also be used to for Tin/Lead fluxes
- Flux meets Bellcore TR-N-NWT-000078 and IPC SF-818 for Surface Insulation Resistance
- Flux meets ANSI / IPC J-STD-004, Type ROL0
- Easily removed with CircuitWorks® Lead-Free Flux Remover Pen, or Flux-Off® Lead-Free Flux Remover
- RoHS Compliant

### **Rosin Flux Dispensing Pen – CW8100**

- Applies a noncorrosive, nonconductive Type R flux
- Flux meets MIL-F-14256 F Type R and ANSI/IPC J-STD-004, Type ROL0

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