

# CHEMTRONICS®

## Technical Data Sheet

**TDS # CW8600**

### CircuitWorks® Water Soluble Tacky Flux

#### PRODUCT DESCRIPTION

CircuitWorks® Water Soluble Tacky Flux is a Type ORL0 formulation designed for BGA rework requiring high-reliability, stability and cleanliness. CircuitWorks® Water Soluble Tacky Flux gel composition holds the BGA component in position even with board movement. Its lower viscosity allows easy application and contains no ionic material. CircuitWorks® Water Soluble Tacky Flux is suitable for clean room applications.

- Excellent wetting ability
- Long tack time
- Halide and halogen free
- Meets IPC ANSI-J-STD-006 requirements for ORL0, Water Soluble
- Excellent consistency
- Stable viscosity
- Conforms to ISO 9454
- Meets Bellcore TR-NWT-000078 requirements

#### TYPICAL APPLICATIONS

CircuitWorks® Water Soluble Tacky Flux may be used for electronics applications including:

- BGA rework and repair
- Sphere attachment to BGA
- Surface Mount Device Pads
- Switches
- Sockets

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

##### Properties

Flux Type	Water Soluble ORL0
Flash Point (TCC)	>140°C (284°F)
Appearance	Slight Yellow
Odor	Slight

##### Shelflife

2 years

##### RoHS Compliant



#### COMPATIBILITY

CircuitWorks® Water Soluble Tacky Flux 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 MSDS carefully prior to use.

**Flux Application:** CircuitWorks® Water Soluble Tacky Flux should only be applied to BGA rework areas on the circuit board, and not the entire board. Remove cap from syringe and gently depress the plunger. Spread the material over the BGA application area. Use a Control Wipe™ dry wipe to remove flux buildup from applicator tip.

**Cleaning:** Water Soluble Tacky Flux can be removed with Chemtronics Flux-Off® Water Soluble. It can also be removed with deionized water. A water temperature of 60°C/140°F is recommended for best results.

## TECHNICAL & APPLICATION ASSISTANCE

ITW Chemtronics® provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401**.

## AVAILABILITY

CW8600            3.5 gm (0.12 oz) Syringe

## ENVIRONMENTAL IMPACT DATA

ODP	None	VOC	No
HCFC	None	HFC	None

Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s). Hydrofluorocarbons (HFCs) are not currently regulated.

**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.

ITW CHEMTRONICS® does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

## MANUFACTURED BY:

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