Chemtronics®

Technical Data Sheet

CircuitWorks®
Lead-Free Pocket Solder

Product# S200

Product Description

CircuitWorks Lead-Free Pocket Solder is the high-purity pocket-sized solder in a convenient dispenser for rework and repair. This rosin core solder wire is manufactured from the lead-free solder alloy SAC 305. Lead-Free Pocket Solder is easy to use and produces reliable solder joints every time. Its activated pure rosin flux core eliminates troublesome solder voids. Instant wetting action provides thorough deoxidation of metallic surfaces providing the best possible surfaces for soldering.

- Simple to use, easy to carry
- Safe and environmentally friendly
- Precision manufactured SAC 305 solder
- Type RMA (rosin moderately activated) flux core
- Ensures reliable solder connections
- Cleans and wets heavily tarnished copper surfaces
- RoHS compliant

Typical Applications

CircuitWorks® Lead-Free Pocket Solder can be used for electronics applications in:

- Circuit Board Manufacturing, Rework and Repair
- Data Communications
- Instrumentation
- Controls
- General Maintenance and Repair

Typical Product Data and Physical Properties

Solder Wire Diameter:	0.040 in. (1 mm)	
Flux Core:	3%	
Solder Composition:	Tin (Sn)	96.5%
	Silver (Ag)	3.0 %
	Copper (Cu)	0.5%)
Color:	Silvery Metallic	
Melting Point:	419°-424°F (215°-219°C)	
Flux Type:	**Type ROM1**	
RoHS Compliant	Yes	

Chemical Resistance

CircuitWorks Lead-Free Pocket Solder has excellent resistance to all cleaners and aggressive organic solvents. Flux residues remaining after soldering can be easily cleaned with Chemtronics Flux-Off Lead-Free Flux Remover (ES897B or ES1697) or CircuitWorks Lead-Free Flux Remover Pen (CW9400).

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Compatibility
The CircuitWorks Lead-Free Pocket Solder material is generally compatible with materials used in printed circuit board fabrication. As with any material, compatibility with substrate should be determined on a non-critical area prior to use.

Usage Instructions
For industrial use only. Read SDS carefully prior to use.

Application: Thread the solder wire through the hole in the dispenser. Solder can be used with hot soldering iron (600°F -750°F / 316°C – 399°C) for normal soldering applications.

Cleaning: Flux residues remaining after soldering can be easily cleaned with Chemtronics Flux-Of® Lead-Free Flux Remover (ES897B or ES1697) or CircuitWorks Lead-Free Flux Remover Pen (CW9400). Wipe residues from the board with a ControlWipe dry wipe.

Availability
S200   1.0 mm (0.04") Diameter
                      3.18 m (125") Length

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.