

# CHEMTRONICS®

## Technical Data Sheet

**TDS # SW**

### Soder-Wick® Desoldering Braid

#### PRODUCT DESCRIPTION

Soder-Wick® is the state of the art in desoldering. Soder-Wick® is especially designed for today's heat sensitive electronic components. Their lighter mass, pure copper braid construction allows for better thermal conductivity, even at low temperatures. Soder-Wick® responds as much as 50% faster than conventional desoldering braids. This design minimizes overheating and requires less "contact" pressure for greater operator control. A full range of sizes and flux types are available, including an unfluxed version and a patented No Clean type. Whatever the requirement, Soder-Wick® has the answer.

- Requires little or no post solder cleaning
- No corrosive residues
- Optimized weave design for faster wicking and heat transfer
- Halide free
- Minimal risk of heat damage to components and circuit boards

#### TYPICAL APPLICATIONS

Soder-Wick® desoldering braid safely removes solder from:

- Thru-hole Components
- Surface Mount Device Pads
- BGA Pads
- Micro Circuits
- Terminals
- Lugs and Posts
- Identification Script

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Flux Types:</b>	Rosin Grade WW, Type "R" Patented No Clean Flux
<b>Specifications:</b>	ANSI/IPC J STD-004 MIL-F-4256 F
<b>No Clean Flux Spec:</b>	MIL-STD-883B Bellcore TR-NWT-000078 ANSI/IPC J SF818
<b>Shelflife:</b>	2 years

Size #	Width Inches	Color	Width Metric
1	.030"	White	0.8mm
2	.060"	Yellow	1.5mm
3	.080"	Green	2.0mm
4	.110"	Blue	2.8mm
5	.145"	Brown	3.7mm
6	.210"	Red	5.3mm
BGA	-	Purple	-

#### STATIC DISSIPATIVE PACKAGING

Static Dissipative packaging is available on all 5 and 10 foot bobbins. The static dissipative bobbins qualify as electrostatic discharge protective per MIL-STD-1686C and MIL-HDBK-263B. Meets the static delay rate provision of MIL-B-81705C.

## USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

- 1) Choose a Soder-Wick<sup>®</sup> desoldering braid width equal to or slightly larger than the pad or connection.
- 2) Choose a solder iron tip equal to or slightly smaller than the pad or connection.
- 3) Set temperature of iron between 600-750°F
- 4) Place wick on solder joint and place tip of hot iron on top of wick
- 5) As solder becomes molten, the color of the wick will change from copper to silver.
- 6) Remove wick and iron from solder joint simultaneously once color change has stopped.
- 7) The component lead is now clean and free from solder.
- 8) Clip and discard the used portion of the wick.

## SODER-WICK<sup>®</sup> IS DESIGNED TO MEET OR EXCEED THE FOLLOWING:

MIL-F-14256F, Type R

NASA-STD-8739.3

DOD-STD-883E, Method 2022

ANSI/IPC J STD-004, Type ROLO

BELLCORE TR-NWT-000078

ANSI/IPC J SF-818

## SODER-WICK<sup>®</sup> SD BOBBINS ARE DESIGNED TO MEET OR EXCEED:

MIL-STD-2000A

MIL-B-81705C

MIL-STD-1686C

MIL-HDBK-263B

## TECHNICAL & APPLICATION ASSISTANCE

Chemtronics<sup>®</sup> provides a technical hotline to answer your technical and application related questions. The toll free number is:

**1-800-TECH-401.**

## AVAILABILITY

### Series:

- 50 Rosin Flux
- 80 Rosin Flux, SD Bobbin
- 60 No Clean Flux, SD Bobbin
- 70 Unfluxed
- 75 Unfluxed, SD Bobbin

<i>VacuPak<sup>™</sup> Packaging</i>	Part #	Size
The VacuPak Can contains ten five-foot bobbins in a vacuum sealed can. This package provides the highest level of cleanliness and freshness. Great for tool kit storage.	SW18015	1
	SW18025	2
	SW18035	3
	SW18045	4
	SW18055	5

### HELPFUL HINTS:

**Water Soluble Users:** Use the unfluxed **70** or **75** Series to dip in the water soluble flux type you are using and then desolder normally.

**Ball Grid Array:** Use the Soder-Wick<sup>®</sup> BGA with a large tipped iron to remove solder from a number of BGA pads all at once.

**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<sup>®</sup> does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

### MANUFACTURED BY:

ITW Chemtronics<sup>®</sup>

8125 Cobb Center Drive

Kennesaw, GA 30152

1-770-424-4888

REV. D (05/04)

### DISTRIBUTED BY:

--