# CHEMTRONICS®
# Technical Data Sheet

**TDS # SWNoClean**

# Soder-Wick® No Clean Desoldering Braid

## PRODUCT DESCRIPTION

Soder-Wick® No Clean is designed to provide fast and safe desoldering without leaving behind harmful flux residues. Soder-Wick® No Clean uses pure, oxygen free copper braid and a patented flux technology to make an efficient and effective desoldering braid. Soder-Wick® No Clean SD is available on ESD safe bobbins for protection against damage due to static electricity.

- Requires little or no post solder cleaning
- No corrosive residues
- Halide free
- ESD Safe bobbins meet specs:
  MIL-STD-1686C
  MIL-HDBK-263B
  Static decay provision of
  MIL-B-81705C
- Minimal risk of heat and static component damage

## TYPICAL APPLICATIONS

Soder-Wick® No Clean safely removes solder from:

- Lugs and Posts
- Micro Circuits
- Surface Mount Device Pads
- Ball Grid Array Pads

## TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

**Surface Insulation Resistance**

**Bellcore TR-NWT-000078 : PASS**
After 96 Hours (megohms) $2 \times 10^4$ Limit

| Group A | Group B | Group C |
|---|---|---|
| $4.8 \times 10^6$ | $3.8 \times 10^6$ | $4.1 \times 10^6$ |

**ANSI/IPC J SF-818 : PASS**
After 168 Hours (ohms) $1.8 \times 10^8$ Limit

| 1-2 | 2-3 | 3-4 | 4-5 |
|---|---|---|---|
| $2.3 \times 10^{10}$ | $2.6 \times 10^{10}$ | $2.8 \times 10^{10}$ | $2.8 \times 10^{10}$ |

**Electromigration : PASS**
Average Insulation Resistance (megohms)-One Decade Limit

| | Initial | Final |
|---|---|---|
| Group E | $3.93 \times 10^3$ | $1.24 \times 10^4$ |
| Group F | $3.87 \times 10^3$ | $2.84 \times 10^4$ |

At 10x magnification no evidence of electromigration or heavy corrosion.

| | |
|---|---|
| **Silver Chromate Test Paper** | **PASS** |
| **Copper Mirror Test** | **PASS** |
| **Shelflife** | **2 years** |
| **RoHS/WEEE Status** | RoHS WEEE Compliant |

**SODER-WICK® NO CLEAN MEETS OR EXCEEDS**:
MIL-F-14256F, Type R
DOD-STD-883E, Method 2022
Bellcore TR-NWT-000078
ANSI/IPC J SF-818

| Part # | Size Inches | Color | Size Metric |
|---|---|---|---|
| 1 | .030” | White | .76mm |
| 2 | .060” | Yellow | 1.52mm |
| 3 | .080” | Green | 2.03mm |
| 4 | .110” | Blue | 2.79mm |
| 5 | .145” | Brown | 3.68mm |
| 6 | .210” | Red | 5.33mm |
| BGA | - | Purple | - |

## USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

1) Choose a Soder-Wick® No Clean width equal to or slightly larger than the pad or connection.
2) Choose a solder iron tip equal to or slightly larger 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 joint simultaneously once color change has stopped.
7) The component lead / pad is now clean and free from solder.
8) Clip and discard used portion of the wick.

## TECHNICAL & APPLICATION ASSISTANCE

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



## AVAILABILITY

| Part # | Size | Length | Part # | Size | Length |
|---|---|---|---|---|---|
| 60-1-5 | 1 | 5 | 60-1-10 | 1 | 10 |
| 60-2-5 | 2 | 5 | 60-2-10 | 2 | 10 |
| 60-3-5 | 3 | 5 | 60-3-10 | 3 | 10 |
| 60-4-5 | 4 | 5 | 60-4-10 | 4 | 10 |
| 60-5-5 | 5 | 5 | 60-5-10 | 5 | 10 |
| 60-6-5 | 6 | 5 | | | |

### *VacuPak™ Packaging*

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.

| Part # | Size |
|---|---|
| SW16015 | 1 |
| SW16025 | 2 |
| SW16035 | 3 |
| SW16045 | 4 |
| SW16055 | 5 |
| SW160BGA | BGA |

## 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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