

# CHEMTRONICS®

## Technical Data Sheet

**TDS # CWik**

### Chem-Wik® Rosin

#### PRODUCT DESCRIPTION

Chem-Wik® Rosin is especially designed for today's heat sensitive electronic components. The lighter mass, pure copper braid construction allows for better thermal conductivity, even at low temperatures. Chem-Wik® Rosin responds as much as 50% faster than conventional desoldering braids. This design minimizes overheating and requires less "contact" pressure for greater operator control. All sizes are coated with a Type "R" organic flux system.

- 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

Chem-Wik® Rosin 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

| Chem-Wik® Rosin                                    |                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Flux Type:</b>                                  | Grade WW, Type "R"                                                                   |
| <b>Clean-up Required:</b>                          | No                                                                                   |
| <b>Military Specifications:</b>                    | MIL-F-14256F                                                                         |
| <b>Shelf Life – 2 years from manufacturer date</b> |                                                                                      |
| <b>RoHS/WEEE Status</b>                            |  |

| Part # | Size Inches | Size Metric |
|--------|-------------|-------------|
| 2-5L   | .030"       | .76mm       |
| 5-5L   | .050"       | 1.27mm      |
| 7-5L   | .075"       | 1.91mm      |
| 10-5L  | .100"       | 2.54mm      |

#### STATIC DISSIPATIVE PACKAGING

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

For industrial use only.

- 1) Choose a Chem-Wik<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.

| Width | Color Code | 5 ft. Bobbin | 25 ft. Spool | 50 ft. Spool | 100 ft. Spool | 500 ft. Spool |
|-------|------------|--------------|--------------|--------------|---------------|---------------|
| .030" | White      | 2-5L         | 2-25L        | 2-50L        | 2-100L        | 2-500L        |
| .050" | Yellow     | 5-5L         | 5-25L        | 5-50L        | 5-100L        | 5-500L        |
| .075" | Green      | 7-5L         | 7-25L        | 7-50L        | 7-100L        | 7-500L        |
| .100" | Blue       | 10-5L        | 10-25L       | 10-50L       | 10-100L       | 10-500L       |

MIL-F-14256F, Type R  
MIL-STD-2000A  
MIL-B-81705C  
NASA NHB5300.4(3A)  
NASA SP-5002  
NASA NPC200-4  
IPC SF-818  
DOD Handbook 263  
DOD Standard 1686  
BELLCORE TR-NWT-00078

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.

ITW CHEMTRONICS  
8125 COBB CENTER DRIVE  
KENNESAW, GA 30152  
1-770-424-4888

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

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