# CHEMTRONICS<sup>®</sup> Technical Data Sheet Pow-R-Wash<sup>™</sup> CZ Electronics Contact Cleaner

### **PRODUCT DESCRIPTION**

Pow-R-Wash<sup>™</sup> CZ electronics contact cleaner is a highly effective nonflammable solvent cleaner for electrical and electronic contacts and assemblies. This non-ozone depleting solvent system utilizes Cirozane<sup>™</sup>, Chemtronics' unique HFE technology, to quickly remove oils, oxides, and other contaminants from metal contacts. Cirozane<sup>™</sup> Contact Cleaner is specially engineered to restore and improve electrical continuity on energized equipment.

- MIL-PRF-29608A (AS) Class C approved
- Removes encrusted oxides, dirt, grease and other contaminants from contacts
- Nonflammable
- Noncorrosive and safe for plastics
- Evaporates quickly without residue
- Excellent dielectric strength
- Penetrates to clean hard to reach areas
- Contains no ozone depleting substances

### TYPICAL APPLICATIONS

Pow-R-Wash<sup>™</sup> CZ Contact Cleaner cleans and deoxidizes:

- Contacts and Relays
- Plugs and Sockets
- Circuit Breakers
- Motors and Generators
- Finger and Edge Connectors
- Selector Switches
- Fuses

### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

| <b>Boiling Point</b>                         | 90°F (Initial) |  |  |  |
|--|----------------|--|--|--|
| Specific Gravity                             | 1.50           |  |  |  |
| Flash Point (TCC)                            | None           |  |  |  |
| <b>Evaporation Rate (butyl acetate=1)</b> >1 |                |  |  |  |
| Surface Tension                              | 11.6           |  |  |  |
| (dynes/cm @ 25°C)                            |                |  |  |  |
| Solubility in Water                          | Negligible     |  |  |  |
| Kauri-Butanol (KB) Number 40                 |                |  |  |  |
| <b>Dielectric Breakdown</b>                  | 31 kV          |  |  |  |
| (ASTM D-877)                                 |                |  |  |  |
| <b>VOC* Content:</b>                         | Aerosol        |  |  |  |
| CARB   | 37%            |  |  |  |
| SCAQMD                                       | 99 g/L         |  |  |  |
| Federal                                      | 7%             |  |  |  |
| <b>RoHS Compliant</b>                        | Rohs<br>Wele   |  |  |  |
|  | Compliant      |  |  |  |
| Shelflife                                    | 5 years        |  |  |  |

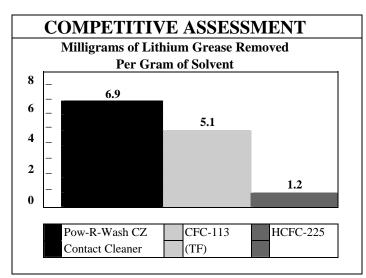
\*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

### COMPATIBILITY

Pow-R-Wash<sup> $^{\text{M}}$ </sup> CZ Contact Cleaner is generally compatible with most materials used in the electronics industry. However as with any cleaning agent, solvent/component compatibility must be determined on a noncritical area prior to use.

## **TDS # 7300**

| <u>Material</u>        | <b>Compatibility</b> |
|------------------------|----------------------|
| ABS                    | Excellent            |
| Buna-N                 | Excellent            |
| EPDM                   | Excellent            |
| Graphite               | Excellent            |
| HDPE                   | Excellent            |
| Kvnar <sup>TM</sup>    | Excellent            |
| LDPE                   | Excellent            |
| Lexan <sup>TM</sup>    | Good                 |
| Neoprene               | Excellent            |
| Norvl <sup>®</sup>     | Excellent            |
| Nvlon <sup>TM</sup> 66 | Excellent            |
| Cross-Linked PE        | Excellent            |
| Polypropylene          | Excellent            |
| Polystyrene            | Good                 |
| PVC                    | Excellent            |
| Silicone Rubber        | Excellent            |
| Teflon <sup>TM</sup>   | Excellent            |
| Viton <sup>TM</sup>    | Excellent            |
|                        |                      |



### **USAGE INSTRUCTIONS**

For commercial use only.

Read MSDS carefully prior to use.

Spray 4-6 inches from surface to clean. Wash parts from top to bottom, allowing the liquid to flush away dirt and dissolved oil and grease. For precise application use attached extension tube.

### TECHNICAL & APPLICATION ASSISTANCE

ITW 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

| ES7300 | 12 oz. Aerosol |
|--------|----------------|
| ES7308 | 5 oz. Aerosol  |

| ENVIRONMENTAL IMPACT DATA |      |     |      |  |  |
|---------------------------|------|-----|------|--|--|
| HCFC-141b                 | None | HFC | Yes  |  |  |
| HCFC-225                  | None | nPB | None |  |  |

Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b is no longer produced in the US under this legislation. HCFC-225 is planned for production phase-out in 2015. Hydrofluorocarbons (HFCs) are not currently regulated.

EPA has listed n-propyl bromide (nPB) as an acceptable alternative to ozone depleting substances in metal, precision, and electronics cleaning under Section 612 of the Clean Air Act.

### 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.

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