



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Technical Data Sheet**Pow-R-Wash™ CZ
Electronics Contact Cleaner****PRODUCT DESCRIPTION**

Pow-R-Wash™ 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™, Chemtronics' unique HFE technology, to quickly remove oils, oxides, and other contaminants from metal contacts. Cirozane™ 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™ 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**

Boiling Point	90°F (Initial)
Specific Gravity	1.50
Flash Point (TCC)	None
Evaporation Rate (butyl acetate=1)	>1
Surface Tension (dynes/cm @ 25°C)	11.6
Solubility in Water	Negligible
Kauri-Butanol (KB) Number	40
Dielectric Breakdown (ASTM D-877)	31 kV
VOC* Content:	<u>Aerosol</u>
CARB	37%
SCAQMD	99 g/L
Federal	7%
RoHS 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™ 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 non-critical area prior to use.

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

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.

CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

CHEMTRONICS

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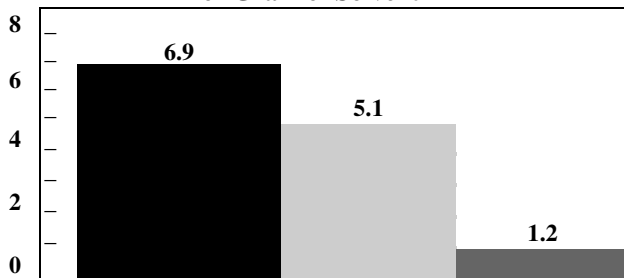
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COMPETITIVE ASSESSMENT

Milligrams of Lithium Grease Removed
Per Gram of Solvent



Pow-R-Wash CZ Contact Cleaner	CFC-113 (TF)	HCFC-225
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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

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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