



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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CHEMTRONICS

Technical Data Sheet

TDS # 6300

Pow-R-Wash™ VZ Contact Cleaner

PRODUCT DESCRIPTION

Pow-R-Wash™ VZ Contact Cleaner is a highly effective nonflammable solvent cleaner for electrical and electronic contacts and assemblies. The non-ozone depleting Verizane™ solvent system utilizes Vertrel® Specialty Fluid from Dupont™ to quickly remove oils, oxides, and other contaminants from metal contacts. Verizane™ Contact Cleaner is specially engineered to restore and improve electrical continuity on energized equipment.

- Removes encrusted oxides, dirt, grease and other contaminants from contacts and connections in a wide range of precision electronic and electrical applications
- Effective hydraulic oil removal
- 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™ VZ Contact Cleaner cleans and deoxidizes:

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

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

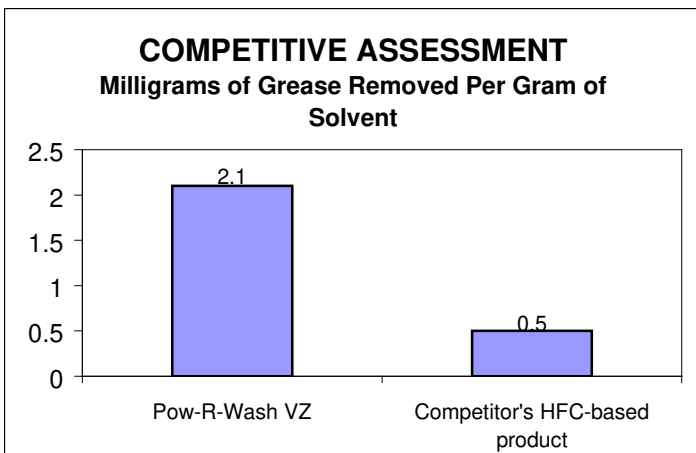
Boiling Point	95°F
Specific Gravity (water = 1@ 77°F)	1.25
Flash Point (TCC)	None
Evaporation Rate (butyl acetate=1)	>1
Surface Tension dynes/cm @ 25°C	13.2
Appearance	Clear, colorless liquid
Odor	Ethereal Odor
Solubility in Water	Negligible
Kauri-Butanol (KB) Number	17
Dielectric Breakdown (ASTM D-877)	15 kV
VOC* Content (aerosol):	
CARB	35 %
SCAQMD	345 g/L
Federal	16 %
RoHS Compliant	
Shelflife	5 years aerosol / 2 years liquid

*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™ VZ Contact Cleaner is generally compatible with most materials used in electronics, electrical, and industrial cleaning applications. However as with any cleaning agent, solvent compatibility must be determined on a non-critical area prior to use.

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



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 precision application use attached extension tube.

AVAILABILITY

ES6300	12 oz. Aerosol
ES6319	19 oz. Aerosol
ES6301	1 Gallon
ES6355	53 Gallon

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.

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.**

CHEMTRONICS

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