

## Pow-R-Wash™ VZ Contact Cleaner

**Product# ES6300**

### 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

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

\*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).

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### 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.

Material	Compatibility
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

### Competitive Assessment

#### Milligrams of Grease Removed per Gram of Solvent

Pow-R-Wash VZ	2.1
Competitor's HFC-based product	0.5

### Usage Instructions

**For industrial use only. Read SDS 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. / 340 g Aerosol

### Environmental Impact Data

HCFC-141b	None
HCFC-225	None
HFC	Yes
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.

### Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

*The toll free number is: 1-800-TECH-401.*

### 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.