Electro-Wash® VZ Cleaner Degreaser

Product# ES6100, ES6119, ES6101, ES6155

Product Description

Electro-Wash VZ Cleaner Degreaser is an all purpose cleaner for electronics that is nonflammable, non-ozone depleting, and low odor. This fast drying precision cleaner contains the Verizane Ozone Safe Replacement Chemistry, formulated with DuPont Vertrel Specialty Fluids. It is excellent for removing grease, oil, and flux residues from energized equipment.

- Removes dirt, oil, grease, flux and many other contaminants
- Nonflammable
- Non-ozone depleting
- Leaves no residues
- Evaporates quickly
- Low Odor
- Contains no CFCs, HCFCs, or 1,1,1 Trichloroethane

Typical Applications

Electro-Wash VZ Cleaner Degreaser is excellent for cleaning:

- Printed Circuit Boards
- Contacts
- Cable Assemblies
- Magnetic Heads
- Electronic Controls
- Edge Connectors
- Light Flux Residues

Typical Product Data and Physical Properties

Boiling Point:		95°F / 35ºC (Initial)
Solubility in Water:		Negligible
Specific Gravity:		1.24
Flash Point (TCC):		None
Evaporation Rate: (butyl acetate =1)		>1
Surface Tension: dynes/cm @ 25ºC		14.1
Dielectric Breakdown (ASTM D-877)		17 kV
VOC* Content (aerosol):		
CARB		45%
SCAQMD		412 g/L
Federal		19%
Kauri-Butanol (KB) Number		26
Shelflife	Aerosols	5 years
	Liquids	2 years after opening
RoHS Compliant		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

Electro-Wash VZ Cleaner Degreaser is generally compatible with most materials used in the electronics industry. With any cleaning agent compatibility must be determined on a non-critical area prior to use.

Material	Compatibility
ABS	Poor
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 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 flux residues, dirt and dissolved oil. For precision application use attached extension tube.

Availability

ES6100	12 oz. / 340 g Aerosol
ES6119	19 oz. / 538 g Aerosol
ES6101	1 Gal. / 3.7 L Liquid
ES6155	53 Gal. / 200 L Liquid

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.