

Technical Data Sheet**Electro-Wash[®] PN New & Improved!
Cleaner Degreaser****PRODUCT DESCRIPTION**

Electro-Wash[®] PN New & Improved! Cleaner Degreaser is a plastic safe and nonflammable cleaner formulated for all aspects of cleaning electronic components and assemblies. This precision cleaner is fast drying and has excellent solvency for oil, handling soils, dirt, and even light flux residues.

- Same great features as original formulation but without HCFC-141b
- Removes dirt, grease, carbon, oil, and flux residues
- Excellent plastic compatibility
- Nonflammable
- Dries very quickly
- Leaves no residue
- Noncorrosive
- Enhances electrical signals
- Available with All-Way Spray valve
- U.S. Patent 6,746,998

TYPICAL APPLICATIONS

Electro-Wash[®] PN New & Improved! Cleaner Degreaser is engineered for cleaning:

- Printed Circuit Boards
- Chip Carriers
- Edge Connector Sockets
- Relays and Contacts
- Sensitive Plastic Components
- Electronic Controls
- Light Flux Residues

**TYPICAL PRODUCT DATA AND
PHYSICAL PROPERTIES**

Boiling Point	99°F (Initial)
Evaporation Rate	>1
Flash Point (TCC)	None
Specific Gravity	1.35
Vapor Pressure @68°F	165 mmHg
Solubility in Water	Negligible
Dielectric Breakdown (ASTM D-877)	26 kV
VOC* Content:	<u>Aerosol</u>
CARB	75%
SCAQMD	783 g/L
Federal	15%
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

Electro-Wash[®] PN New & Improved! Cleaner Degreaser has excellent compatibility with most materials used in the electronics industry. With any cleaning agent compatibility with substrate should be determined on a non-critical area prior to use.

<u>Material</u>	<u>Compatibility</u>
ABS	Not Recommended
Buna-N	Not recommended
EPDM	Good
Graphite	Excellent
HDPE	Good
Kynar™	Good
LDPE	Good
Lexan™	Good
Neoprene	Good
Noryl®	Good
Nylon™ 66	Excellent
Cross-Linked PE	Good
Polypropylene	Good
Polystyrene	Not Recommended
PVC	Excellent
Silicone Rubber	Good
Teflon™	Good
Viton™	Not Recommended

Performance	
Grease Removal per gram solvent (mg)	
Electro-Wash PN New & Improved !	2.2
HFC-based Cleaner	0.5
Grease & Lubricating Oil Removal per gram solvent (mg)	
Electro-Wash PN New & Improved !	7.4
HFC-based Cleaner	0.5

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 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.**

AVAILABILITY

ES1678 12 oz. Aerosol

ENVIRONMENTAL IMPACT DATA

HCFC-141b	None	HFC	Yes
HCFC-225	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.

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.

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