

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

Electro-Wash® NR New & Improved! Cleaner Degreaser is a nonflammable cleaner that quickly removes flux, grease, oils, dirt, dust, and other contaminants from electronic components and assemblies. This high pressure solvent system is engineered to remove all types of oil and grease while evaporating quickly and leaving no residues.


- Same great features as original, without HCFC-141b
- Removes flux, oils, dirt, grease, dust, and other contaminants
- Nonflammable; can be used on energized equipment
- Penetrates to clean hard to reach areas
- Evaporates quickly
- Leaves no residues
- Noncorrosive; safe for sensitive metals
- Available with All-Way Spray valve

**TYPICAL APPLICATIONS**

Electro-Wash® NR New & Improved! Cleaner Degreaser removes flux, dirt, grease, oxidation and other soils from:

- Printed Circuit Boards
- Relays and switches
- Transformers
- Mechanical Devices
- Electric Motors and Generators
- Electronic Controllers
- Pneumatic / Hydraulic Systems

**TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES**

<b>Boiling Point</b>	156° F (Initial)
<b>Evaporation Rate (butyl acetate=1)</b>	>1
<b>Flash Point (TCC)</b>	None
<b>Specific Gravity</b>	1.35
<b>Vapor Pressure @68°F</b>	112 mmHg
<b>Appearance</b>	Clear, colorless liquid
<b>Odor</b>	Mild
<b>Solubility in Water</b>	Negligible
<b>Dielectric Breakdown (ASTM D-877)</b>	23.5 kV
<b>Kauri-Butanol (KB) Number</b>	125
<b>Shelflife</b>	5 years
<b>RoHS/WEEE Status</b>	

**COMPATIBILITY**

Electro-Wash® NR New & Improved! Cleaner Degreaser is generally compatible with most materials used in printed circuit board fabrication, except acrylics, ABS resins, polycarbonates and polystyrenes. 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	Non-Compatible
Buna-N	Fair
EPDM	Fair
Graphite	Excellent
HDPE	Excellent
LDPE	Good
Lexan™	Fair
Neoprene	Fair
Noryl®	Poor
Nylon™ 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Non-Compatible
PVC	Excellent
Silicone Rubber	Poor
Teflon™	Excellent
Viton™	Fair

<b>Performance</b>	
<b>Grease Removal per gram solvent (mg)</b>	
Electro-Wash NR New & Improved!	<b>15.4</b>
HFC-based Cleaner	<b>0.5</b>
<b>Grease &amp; Lubricating Oil Removal per gram solvent (mg)</b>	
Electro-Wash NR New & Improved!	<b>22.5</b>
HFC-based Cleaner	<b>0.5</b>

**USAGE INSTRUCTIONS**

For commercial use only.  
 Read MSDS carefully prior to use.  
 Spray 4 to 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.

**AVAILABILITY**

ES1614 12 oz. Aerosol  
 ES114 1 gallon Liquid  
 ES5514 55 gallon Liquid

**TECHNICAL & APPLICATION ASSISTANCE**

ITW Chemtronics® provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401.**

**ES1614 - ENVIRONMENTAL DATA**

<b>ENVIRONMENTAL IMPACT DATA</b>			
CFC	0.0%	VOC	87.0%
HCFC- 141b	0.0%	HFC	10.0%
HCFC-225	0.0%	nPB	87.0%

CFC, HCFC-225, HCFC-141b, VOC, HFC, and nPB percentages shown are the content by weight.

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

**MANUFACTURED BY:**

ITW CHEMTRONICS  
 8125 COBB CENTER DRIVE  
 KENNESAW, GA 30152  
 1-770-424-4888

REV. C (06/06)

**DISTRIBUTED BY:**

