# **CHEMTRONICS® Technical Data Sheet**

**TDS # 1604** 

### Electro-Wash® NR

#### PRODUCT DESCRIPTION

Electro-Wash® NR is a nonflammable cleaner/degreaser that quickly removes oils. dirt. dust, other and grease. contaminants from energized electrical This high pressure solvent equipment. system is engineered to remove all types of soils while evaporating quickly and leaving no residues.

- Removes 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
- Excellent dielectric strength
- Noncorrosive; safe for sensitive metals
- Contains no CFCs or chlorinated solvents; Contains HCFCs

#### TYPICAL APPLICATIONS

Electro-Wash® NR removes dirt, grease, oxidation and other soils from:

- Printed Circuit Boards
- Relays and Contacts
- Transformers
- Switches
- Electric Motors and Generators
- Electronic Controllers
- Pneumatic / Hydraulic Systems

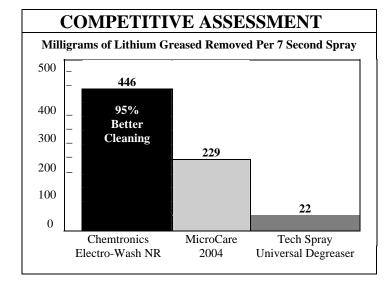
## TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

PROPERTIES	
<b>Boiling Point</b>	90°F Initial
Dielectric Strength	10 Kv
Flash Point (TCC)	None
<b>Appearance</b> Cl	ear, Colorless Liquid
Odor	Mild Ethereal
Solubility in Water	Negligible
Specific Gravity (water = 1@68°F)	1.12
Evaporation Rate (butyl acetate=1)	> 1
Surface Tension (dynes/cm @21.6°C)	18.2
Kauri-Butanol (KB) Number	57
Shelflife	5 years
RoHS/WEEE Status	ROHS WEEE Compliant

#### **COMPATIBILITY**

Electro-Wash® NR 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>	Compatibility		
ABS	Non-Compatible		
Buna-N	Fair		
EPDM	Fair		
Graphite	Excellent		
HDPE	Excellent		
LDPE	Good		
Lexan <sup>TM</sup>	Fair		
Neoprene	Fair		
Noryl <sup>®</sup>	Poor		
Nylon <sup>TM</sup> 66	Excellent		
Cross-Linked PE	Excellent		
Polypropylene	Excellent		
Polystyrene	Non-Compatible		
PVC	Excellent		
Silicone Rubber	Poor		
$Teflon^{TM}$	Excellent		
Viton <sup>TM</sup>	Fair		



#### **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**

ES1604 12 oz. Aerosol

ES1604B 10 oz. Brush Clean System

#### **TECHNICAL & APPLICATION**

#### **ASSISTANCE**

Chemtronics<sup>®</sup> provides a technical hotline to answer your technical and application related questions. The toll free number is:

1-800-TECH-401.

#### **ENVIRONMENTAL IMPACT DATA**

ENVIRONMENTAL IMPACT DATA				
CFC HCFC	0.0% 94.0%	VOC HFC	2.0% 0.0%	
CL Solv.	0.0%	ODP	0.10	

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.10. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

**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.

#### **MANUFACTURED BY:**

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<b>DISTRIBUTED BY:</b>	