

# CHEMTRONICS® Technical Data Sheet

**TDS # 1210**

## Electro-Wash® PX Precision Cleaner

### PRODUCT DESCRIPTION

Electro-Wash® PX is a fast drying, one step precision cleaning and degreasing agent safe for most plastics. Engineered with very low surface tension, this high pressure aerosol formulation flushes areas clean and evaporates instantly leaving no residue.


- Removes encrusted dirt, grease and other contaminants
- Penetrates hard to reach areas
- Evaporates quickly
- Leaves no residues
- Has low odor
- Is non-corrosive
- Contains no CFCs or HCFCs
- Contains no 1,1,1 Trichloroethane

### TYPICAL APPLICATIONS

Electro-Wash® PX cleans and degreases:

- Contacts
- Magnetic Heads
- Potentiometers
- Printed Circuit Boards
- Selector Switches
- Solder Paste Screens
- Tape Drives
- Volume and Tone Controls
- Label Residue
- Light Fluxes

### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Boiling Point</b>	141°F Initial	
<b>Vapor Density (air=1)</b>	>1	
<b>Solubility in Water</b>	20%	
<b>Specific Gravity</b>	0.70	
<b>Evaporation Rate (butyl acetate=1)</b>	>1	
<b>Appearance</b>	Clear, Colorless Liquid	
<b>Odor</b>	Mild	
<b>Vapor Pressure</b>	198 mm Hg @ 68 F (liquid)	
<b>Surface Tension</b>	17.3 dynes/cm @21.6°C	
<b>Flash Point (TCC)</b>	-20.0°F	
<b>Kauri-Butanol (KB) Number</b>	50	
<b>VOC* Content:</b>	<u>Aerosol</u>	<u>Liquid</u>
CARB	74%	100 %
SCAQMD	700 g/L	690 g/L
Federal	74%	100 %
<b>RoHS Compliant</b>		
<b>Shelflife</b>	Aerosols	5 years
	Liquids	2 years after opening

\*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® PX 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

<b>Material</b>	<b>Compatibility</b>
ABS	Good
Buna-N	Good
EPDM	Poor
Graphite	Excellent
HDPE	Excellent
Kynar™	Fair
LDPE	Fair
Lexan™	Fair
Neoprene	Fair
Noryl®	Good
Nylon™ 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Good
Polystyrene	Non-Compatible
PVC	Good
Silicone Rubber	Non-Compatible
Teflon™	Excellent
Viton™	Excellent

ES1210 12.5 oz. Aerosol  
 ES1210A 12.5 oz. Trigger Aerosol  
 ES810 5 oz. Aerosol  
 ES110 1 Gallon Liquid  
 ES1010E 400 ml Aerosol Europe

## 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**.

<b>ENVIRONMENTAL IMPACT DATA</b>			
HCFC-141b	None	HFC	None
HCFC-225	None	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. ITW 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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 1-770-424-4888

REV. H (6/09)

<b>Performance</b>	
<b>Product Required for Water Soluble Oil Removal (mg solvent / 1 mg oil)</b>	
Electro-Wash PX	<b>33</b>
Conventional CFC Cleaner	<b>94</b>
<b>Water Soluble Oil Removal Rate (mg / in<sup>2</sup> sec.)</b>	
Electro-Wash PX	<b>11</b>
Conventional CFC Cleaner	<b>5</b>

## USAGE INSTRUCTIONS

For industrial 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. Product is Extremely Flammable - Do not use near sources of ignition and energized equipment.

## AVAILABILITY

### DISTRIBUTED BY: