

**Electro-Wash® PX  
Cleaner Degreaser****PRODUCT DESCRIPTION**

Electro-Wash® PX is a one step universal cleaning and degreasing agent. Engineered for removing contamination from fiber optic connectors, modules, and cables, this material is safe for most plastics. Formulated 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:

- Buffer Gel from Cable
- Contaminants from Transmitters, Amplifiers and Transceivers
- Soils from Optical Interfaces, Electronic Interfaces, and Drive Circuitry
- Airborne Dirt from Printed Circuit Boards
- Insulating Residue from Selector Switches and Relays

**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 (water = 1@77°F)</b>	0.70
<b>Evaporation Rate (butyl acetate=1)</b>	>1
<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Mild
<b>Surface Tension (dynes/cm @21.6°C)</b>	17.3
<b>Flash Point (TCC)</b>	-20°F
<b>Kauri-Butanol (KB) Number</b>	50
<b>RoHS/WEEE Status</b>	

**COMPATIBILITY**

Electro-Wash® PX is generally compatible with most materials used in the fiber optics industry. With any cleaning agent compatibility must be determined on a non-critical area prior to use.

<b><u>Material</u></b>	<b><u>Compatibility</u></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

<b>Performance</b>	
<b>Product Required for 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. Do not use on energized equipment.

## **AVAILABILITY**

ES810	5 oz Aerosol
ES1210	12.5 oz. Aerosol
ES110	1 Gal. 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.**

## **ENVIRONMENTAL IMPACT DATA**

<b>ENVIRONMENTAL IMPACT DATA</b>			
CFC	0.0%	VOC	100%
HCFC	0.0%	HFC	0.0%
CL Solv.	0.0%	nPB	0.0

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. B (06/06)

## **DISTRIBUTED BY:**

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Wilmington, NC 28401  
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# COVENTRY™ Clean Room Products

Division of ITW Chemtronics ® Inc.

**TDS # 6700**

## Econowipes™ Non-Woven Wipes

### PRODUCT DESCRIPTION

**Econowipes™** consist of 55/45 cellulose/polyester nonwoven fabric. These wipes have excellent absorbency, and contamination entrapment, as well as high strength. Econowipes™ are ideal as an economical utility wipe for any clean area.

- Excellent solvent and dilute acid resistance
- Economical
- Excellent durability
- Excellent particle entrapment
- High absorbency capacity and rate
- Low ion contamination
- Packaged in a Class 100 environment
- Low linting compared to cotton
- Quarter fold on 6713 improves handling
- Creped pattern on 6713 improves softness and absorbency

### TYPICAL APPLICATIONS

**Econowipes™** can be used to:

- Clean Water Processing Areas
- Clean-up Acids and other Chemical Spills
- Wipe Down of Machinery, and Instrumentation
- Clean Photo-Mask Areas
- Clean Laminar Flow Benches
- Clean Quartzware
- General Purpose Wiping in Cleanrooms

### COMPATIBILITY

**Econowipes™** are compatible with most common solvents such as isopropyl alcohol, methanol and ketones such as acetone or methyl ethyl ketone. These wipes are generally compatible with dilute or weak acids.

### AVAILABILITY

#### Econowipes™

- 6704** 4" x 4" (10.2cm x 10.2cm)  
Cellulose/Polyester nonwoven wipe,  
1200/bag (12 x 100/inner bag)
- 6709** 9" x 9" (22.9cm x 22.9cm)  
Cellulose/Polyester nonwoven wipe,  
3600 wipes/case (12 x 300/bag)
- 6713** 12" x 13" (30.5cm x 33.0cm)  
Cellulose/Polyester nonwoven wipe,  
Embossed crepe pattern, quarter folded  
500 wipes/case (10 x 50/bag)
- 6736** 36" x 36" (91.4 cm x 91.4 cm)  
Cellulose/Polyester nonwoven wipe,  
quarter folded  
250 wipes/case (10 x 25/bag)

### RoHS/WEEE

#### Status



#### MANUFACTURED BY:

COVENTRY™ Clean Room Products  
Division of ITW Chemtronics®  
8125 Cobb Center Drive  
Kennesaw, GA 30152 USA  
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REV. (06/06)

**TECHNICAL HOT LINE 1-800-TECH-401**

# Econowipes™ Test Data

Wipe Material	Cellulose/Polyester Nonwoven Fabric
Wipe	6700
Available Dimensions	4" x 4" (6704)
	9" x 9" (6709)
	12" x 13" (6713)
Basis Weight	64-75 g/m <sup>2</sup>
Particle Counts >= 100 microns	7.3 million/m <sup>2</sup>
Chloride Ions	25 ppm
Sodium Ions	60 ppm
Potassium	6 ppm
Phosphate Ions	None detected
NVR extracted in isopropanol	0.05 g/m <sup>2</sup>
NVR extracted in deionized water	0.08 g/m <sup>2</sup>
Absorbency	234 ml/m <sup>2</sup>
Capacity	300 %

## TECHNICAL AND APPLICATION ASSISTANCE

Coventry™ Clean Room Products provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401**.

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[www.all-spec.com](http://www.all-spec.com)

# TECHNICAL HOT LINE 1-800-TECH-401

**Technical Data Sheet****Electro-Wash® MX Cleaner Degreaser  
Presaturated Wipe****PRODUCT DESCRIPTION**

Electro-Wash® MX Cleaner Degreaser is a high flash point cleaner that quickly removes soils, adhesives, and residues from insulation jackets and conductors on telecom, fiber optic and coaxial cables. Engineered with very low surface tension, this formulation penetrates and removes soils quickly with excellent wetting action, lifting and removing soils from the dirtiest areas. Electro-Wash® MX Cleaner Degreaser is also ideal for removing carbonization, oxidized oils and greases from metal surfaces.


- Removes encrusted dirt, grease, silicone and other contaminants
- Removes flooding compound and “ickypic”
- Moderate evaporation
- Leaves no residues
- Low odor
- Contains no CFCs or HCFCs
- Contains no chlorinated solvents

**TYPICAL APPLICATIONS**

Electro-Wash® MX Cleaner Degreaser is engineered to clean:

- Fiber Optics & Connectors
- Cables
- Hard-line Coax Cable
- Metal & Fiber Optic Cable Splices
- PC Boards
- Motors & Transformers
- Control Systems
- Screens & Stencils

**TYPICAL PRODUCT DATA AND  
PHYSICAL PROPERTIES**

<b>Boiling Point</b>	239° F Initial
<b>Flash Point (TCC)</b>	45° F
<b>Evaporation Rate (butyl acetate=1)</b>	>1
<b>Specific Gravity</b>	0.72
<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Hydrocarbon
<b>Kauri-Butanol (KB) Number</b>	29
<b>Solubility in Water</b>	Negligible
<b>Shelflife</b>	5 years
<b>RoHS/WEEE Status</b>	

**COMPATIBILITY**

Electro-Wash® MX Cleaner Degreaser is generally compatible with most materials. As with any cleaning agent, solvent/component compatibility must be determined on a non-critical area prior to use.

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

## USAGE INSTRUCTIONS

For commercial use only.

Read MSDS carefully prior to use.

Remove wipe from packets and lightly wipe away any dust or contaminants from surfaces. Allow surface to dry completely before use.

## AVAILABILITY

CP421 Presaturated Wipes (25/box)

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## 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**.

## ENVIRONMENTAL IMPACT DATA

ENVIRONMENTAL IMPACT DATA			
CFC	0.0%	VOC	100%
HCFC-141b	0.0%	HFC	0.0%
HCFC-225	0.0%	nPB	0.0%

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

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# CHEMTRONICS®

## Technical Data Sheet

**TDS # QbE**

### QbE® Cleaning System

#### PRODUCT DESCRIPTION

QbE® is the patented Precision Wipe System for cleaning fiber optic end-faces. It is a self-contained cleaning tool that can be used “dry” or “wet.” The QbE® is convenient and economical for use in field or OEM applications.

- The Complete Fiber Optic Cleaning System
- Platen side of box provides surface for cleaning
- Effective “Wet” or “Dry” cleaning
- Provides an ideal Cleaning System for field or OEM applications
- Convenient Size - Portable system easily fits in tool cases and is handy to use on work benches
- Heavy Duty Lint-Free wiping material tough-enough to remove buffer-gel; soft enough for all end face cleaning
- Wipe material won't shred or tear

#### TYPICAL APPLICATIONS

QbE® wipes are used in Fiber Optic and Telecommunications applications for:

- End-Face Connector Cleaning
- Splice Preparation
- Buffer Gel Removal

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

QbE® wipes are 100% noncontaminating material. These wipes have high absorbency and contamination entrapment capacity, as well as high wet strength.

- Excellent solvent resistance
- Excellent particle entrapment
- High absorbency capacity and rate
- Very low solvent extractables
- High wet strength

#### COMPATIBILITY

QbE® wipes are compatible with most common solvents such as alcohols, hydrocarbons and chlorinated solvents. The wipes are also generally compatible with dilute or weak acids.

#### TECHNICAL AND 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.**

#### AVAILABILITY

QbE® Wipes 3" x 3" 200/Box

**RoHS/WEEE**  
**Status**



## USAGE INSTRUCTIONS

### **“Dry” Cleaning with the QbE®**

1. Pull one QbE® Wipe over the fiber-safe foam platen.
2. Hold the end face at a 90 degree perpendicular to the platen.
3. Draw the end face lightly over the platen in a smooth linear motion - do not press too hard.
4. Do not retrace your cleaning procedure in the same area.
5. Do not use a figure-eight motion; do not use a “twist & turn” motion.
6. Check your work with a fiber scope or measuring device.

### **“Wet” Cleaning with the QbE®**

1. Lightly “spot” the QbE® wipe on the platen with Electro-Wash® PX Fiber Optic Cleaner.
2. Draw the end-face from the solvent wetted area to the dry area.
3. Check your work with a fiber scope or measuring device.

### **For Splice Preparation**

1. Lightly moisten QbE® wipe and gently wipe away fiber contaminants.
2. Lightly dampen a 38540ESD swab, remove soil from V-grooves on fusion splicer.

### **Buffer Gel Removal**

1. Pull three single QbE® Wipers out of the container.
2. Spray a small amount of Electro-Wash® PX Fiber Optic Cleaner into the folded wipers.
3. Pull the cable through the first wiper and discard.
4. Repeat until the cable “squeaks” clean.



### **MANUFACTURED BY:**

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