

CHEMTRONICS®

Technical Data Sheet

TDS # FW2150

Electro-Wash® MX Pen

The Convenient Fiber Optic Cleaning Pen

PRODUCT DESCRIPTION

Electro-Wash® MX Precision Fiber Optic Cleaning Pen is engineered for cleaning fiber optic connectors, splices and ribbons. This precision cleaner quickly and safely cleans the end face of fiber optic connectors, while eliminating electrostatic charges that promote particles adhering to the end face surface. The cleaning formulation is plastic safe and residue free. This non-pressurized container can be easily transported, shipping as a “Dangerous goods in excepted quantity”. For best results, use with the QbE® Cleaning Platform, or with the Combination Cleaning process (CCp™).

- Specifically formulated for cleaning all fiber optic connectors
- Removes handling soils, dust, oils and airborne contamination
- Completely portable and easily transportable
- Cleans alone, with the QbE® Cleaning Platform, or with the Combination Cleaning process (CCp™)
- Cleans and eliminates electrostatic deposits of airborne contaminants

TYPICAL APPLICATIONS

Electro-Wash® MX Precision Fiber Optic Cleaning Pen can be used for all repair and maintenance fiber optic applications including:

- Connector end face cleaning
- Cleaning fiber and splice trays pre-splice
- Cleans tools and meters
- Cleans cables
- Removes road tar and asphalt grime
- All repair and maintenance spot cleaning

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Appearance	Clear, colorless liquid
Odor	Hydrocarbon
Solubility in Water	Negligible
Specific Gravity	0.72 @ 75°F (23.9°C)
Evaporation Rate	<1 (Butyl Acetate = 1)
Flash Point (TCC)	45°F (7.2°C)
Kauri-Butanol (KB) Number	29
Shelf life	5 years

COMPATIBILITY

Electro-Wash® MX Precision Fiber Optic Cleaning Pen is compatible with most materials used in telecommunications. As with any solvent, compatibility with substrate should be determined on a non-critical area prior to use.

SAFETY & ENVIRONMENTAL DATA

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CFC	0.0%	VOC	100%
HCFC-225	0.0%	HFC	0.0%
HCFC-141b	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. 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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DISTRIBUTED BY:

MANUFACTURED BY:

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REV. 05/09

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

Read MSDS carefully prior to use.

1. Hold pen vertically and depress tip. Rub pen on surface to be cleaned.
2. When using with a QbE® Cleaning System, pull one QbE® wipe over the Fiber-Safe foam platen and depress the pen tip onto the wipe to start liquid flow.
3. Apply a small amount (1" diameter) of Electro-Wash® MX onto the wipe. Follow the Combination Cleaning process (CCp™) as follows:
 - Hold the end-face at 90° perpendicular to the QbE® platen; allow the end-face to glide over wipe. Remember to adjust for APC connections
 - Draw the end-face lightly over the platen in a smooth linear motion
 - Do not press too hard
 - Do not retrace your cleaning procedure in the same area
 - Do not use a figure-eight motion; do not use a "twist & turn" motion
 - Check your work with a fiber scope or measuring device

AVAILABILITY

FW2150 11g (0.39 oz.) Pen
FW2150BLK Box of 24 pens without blister card

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.**

SqR™

Compact End Face Cleaning Tool

PRODUCT DESCRIPTION

SqR™ is the precision wipe system employing a patented process for cleaning fiber optic end-faces. It is a self-contained cleaning tool that can be used in the wet-to-dry combination cleaning process CCp™. The SqR™ is portable, convenient and economical for use in field or in tools kits.

- The folds and packaging material of the SqR™ provides surface for cleaning and complete instructions and guides.
- Effective wet-to-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. Easily slides into a pocket too.
- 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

SqR™ 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

SqR™ 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

SqR™ 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

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AVAILABILITY

SqR™ Wipes 4" x 4" 10 wipes/unit



USAGE INSTRUCTIONS

Wet-to-dry Cleaning with the SqR™

1. Place the barrier with the guiding arrows between the top and second wipe.
2. Lightly spot the SqR™ wipe on with Electro-Wash® PX, Electro-Wash® MX pen or Fiber-Wash™
3. Draw the end-face from the solvent wetted area to the dry area; following the arrows visible through the wipe
4. Repeat two more times.

For Splice Preparation

1. Remove the top wipe from the SqR™ pad of wipes
2. Lightly moisten the SqR™ wipe with Electro-Wash® PX, Electro-Wash® MX pen or Fiber-Wash™
3. Gently wipe away fiber contaminants.
4. Lightly dampen a 38540ESD swab, remove soil from V-grooves on fusion splicer.



Buffer Gel Removal

1. Pull three single SqR™ wipes from the SqR™ pad of wipes
2. Lightly moisten the SqR™ wipe with Electro-Wash® PX, Electro-Wash® MX pen or Fiber-Wash™
3. Pull the cable through the first wiper and discard.
4. Repeat with the other two wipes until the cable 'squeaks' clean.

MANUFACTURED BY:

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REV. A (04/10)

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CCK-1E Kit Contents:

1x Bag; 1x SQR; 1x FW2150