

Non-Flammable Transportable I & M Fiber Optic Cleaning Kit

Product# CFK1015E

Product Description

In the **I&M Fiber Optic Cleaning Kit**, Chemtronics has included only the cleaning supplies necessary for making a successful 1.25mm and 2.5mm fiber optic connection. The Transportable I & M Cleaning Kit contains two Fiber-Wash NF Precision Cleaning Pens and QbE2 to perform the Combination Cleaning process.

Fiber-Wash Pens are safe to transport. Use the swabs and wipes with the Fiber-Wash NF pen to clean the fusion splicer, especially the mirror and V-groove. Swabs are also included for cleaning alignment sleeves and backplane connections.

The swabs are packaged in rugged tubes for field operations. The kit bags are made from tough nylon for long life.



QbE2 Product Data and Physical Properties

QbE2 wipes are 100% non-contaminating 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

QbE2 Wipes Compatibility

QbE2 wipes are generally 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.

Fiber-Wash NF Precision Cleaner Pen Product Data and Physical Properties

| | |
|---|-------------------------|
| Appearance: | Clear, colorless liquid |
| Odor: | Ethereal |
| Solubility in Water: | Negligible |
| Vapor pressure: | 207mm Hg @ 25°C |
| Specific Gravity: (water=1 @ 25°C) | 1.45 @ 23.9°C |
| Surface Tension: | 15 dynes/cm |
| Evaporation Rate: (butyl acetate = 1) | <1 |
| Boiling Point: | 54°C |
| Flash Point (TCC): | None |
| Karui-Butanol (KB) Number | 28 |
| VOC* Content: | |
| CARB | 4.5% |
| SCAQMD | 67 g/L |
| Federal | 4.5% |
| Shelf life | 5 years |
| RoHS Compliant | Yes |

*ODP, HCFC-225, Chlorinated Solvent, VOC, HFC, and nPB percentages shown are the content by weight. 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).

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Compatibility

Fiber-Wash NF 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.

| Material | Compatibility |
|-----------------|---------------|
| 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 | Good |
| PVC | Excellent |
| Silicone Rubber | Excellent |
| Teflon | Excellent |
| Viton | Excellent |

FW2170 Fiber-Wash NF

Liquid Environmental Impact Data

| | |
|----------|----|
| ODP | 0% |
| HCFC 225 | 0% |
| HFC | 0% |
| CL Solv. | 0% |
| nPB | 0% |

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Availability

Fiber Optic Cleaning Kit Includes:

| | |
|-------------------|--|
| QbE2 (1) | Cleaning Platform (200 sheets) Up to 400 connector cleans per platform |
| FW2170 (2) | Fiber-Wash NF Precision Fiber Optic Pens |
| 6704F (1) | Lint-Free Precision Wipes (100 10cm x 10cm wipes) |
| 48042F (1) | 2.5mm Foam Fiber Optic Swabs (50 swabs) |
| | Rugged Bag |

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Combination Cleaning with the QbE

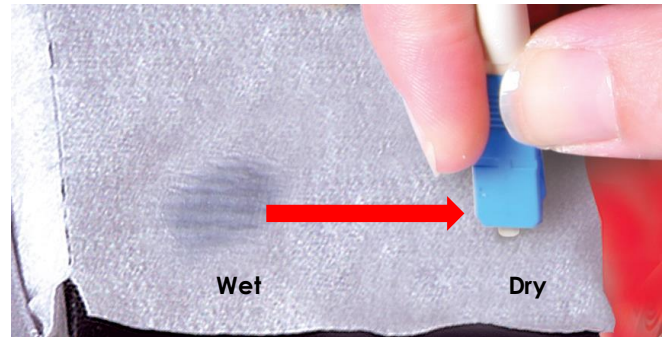
- Pull one QbE Wipe over the fiber-safe foam platen.
- Hold pen vertically and depress tip. Apply a small amount (1" diameter) of Fiberwash onto the wipe.
- Hold the end face at a 90-degree perpendicular to the platen.
- Draw the end face lightly from the solvent wetted area to the dry area over the platen, using 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 inspection probe or measuring device.

For Splice Preparation

- Lightly moisten QbE wipe and gently wipe away fiber contaminants.
- Lightly dampen swab, remove soil from V-grooves on fusion splicer.

Buffer Gel Removal

- Pull three single QbE Wipers out of the container.
- Apply a small amount of Fiberwash NF into the folded wipers.
- Pull the cable through the first wiper and discard.
- Repeat until the cable "squeaks" clean.



Combination Cleaning Process

Technical and Application Assistance

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

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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