

**CLEANER, ELECTRICAL INSULATION  
 (REPLACEMENT FOR 1,1,1-TRICHLOROETHANE)**

1. This **Electrical Insulation Cleaner** is intended primarily for cleaning electrical cables in the process of making electrical splices and terminations. It may also be used as a general purpose cleaner/degreaser for cleaning electrical and mechanical parts.  
 This cleaning solvent must be a safe to use halogen-free colorless dielectric liquid. This solvent must contain no known ozone-depleting chemicals and not adversely affect the environment. It may contain petroleum distillates. It must effectively remove greases and oils from solid surfaces and be compatible with all plastic and rubber cable insulations. Test reports from manufacturers of underground electrical cable, connectors, and terminators are required.
2. **Dielectric Strength:** When tested by ASTM D877 method (100 mil gap), the cleaner shall show a voltage withstand of at least 35 kV before breakdown.
3. **Toxicity and Combustibility:** This cleaner must contain no suspected carcinogens, teratogens or mutagens. Saturated wipes shall have no flash point and shall be non-flammable. Flash point of liquid products must be 140° F minimum (closed cup method) and boiling point must be 365° F minimum. Products must be classified under the RCRA as “non-hazardous” and must be classified as “non-flammable” or “combustible” by the DOT and OSHA.
4. **Directions:** Clean surfaces per instructions found on product container labels. Wipe surface with dry lint-free wipe after cleaning to speed evaporation. Wiping on top of the semiconducting insulation shield is not recommended.
5. **NOTE:** The products in quart and 5-gallon containers will evaporate much more slowly than 1,1,1-trichloroethane, typically slightly slower than water. However, the products are 100% volatile and will completely dry.
6. **Approved Manufacturers**

Stock No.	Stock Unit	Packaging	Approved Manufacturers	
			Polywater	PT Technologies “PF”
013894	PK	Dual sealed-pouch sets of one saturated 8” x 12” wipe and one 8” x 10” dry wipe	HP-P158ID	–
726163	EA	1-Quart Bottle	HP-35LF	61432
726158	GL	Pail, 5 Gallon	HP-640	61405

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