



I. Product Description

PF™ Precision Cleaner is an innovative azeotropic blend of HFC (hydrofluorocarbon) and transdichloroethylene. **PF™ Precision Cleaner's** unique blend offers strong cleaning action, fast evaporation and no residue. It has no flash point and is safe to use on plastics. **PF™ Precision Cleaner** contains no class I or class II ozone depleting chemicals. **PF™ Precision Cleaner** is effective in removing light oils, greases and similar soils from contacts, printed circuit boards and other electronic and electrical equipment.

II. Applications

Recommended for precision cleaning of contacts, printed circuit boards, switches, telephones, PCs, motors, relays, generators, edge connectors, tape heads, buss bars and circuit breakers. Excellent for use around plastics and insulators.

III. Features & Benefits

- **No Flash Point.** Significantly reduces the risk of fire caused by incidental contact with live electrical equipment.
- **Plastic Safe.** Allows one product to be used in all applications without risk of costly damage to sensitive plastics.
- **Fast Evaporation.** Minimizes downtime associated with “clean-in-place” cleaning methods.
- **No Class I or Class II Ozone Depleting Chemicals.** Offers superior performance while complying with the EPA regulations on the use of CFCs.
- **M.S.D.[L.]™-Material Safety Data Label.** Provides instant access to current safety information should an accident or OSHA inspection occur. Helps comply with **OSHA Hazard Communications Standard 29 CFR 1910.1200.**

IV. Physical Properties without propellant

Flash Point	None	Boiling Point	131°F (initial)
Odor	Faint Ethereal	Solubility	Neg. in water
Appearance	Clear liquid	% Volatile	100%
Vapor Density	Not Determined	Specific Gravity	1.51 @ 70°F
VOC Content (Fed)	6.0	Surface Tension	9 dynes/cm
Sara Title III, Sect. 313 Chemicals	No	Propellant	134a
Prop 65	No		

V. Specifications and Approvals

- NSF K2 registered for use in meat and poultry plants.

VI. Performance Characteristics

Bellcore Test (Plastic Safety)	Passed
ASTM D-877 (Dielectric Strength)	31,500 volts
ASTM D-56 (Flash Point)	None (TCC)
ASTM D-1130 (KB Value)	8.5

VII. Directions

- Spray liberally on surface to be cleaned.
- Use of an abrasive on heavy carbon deposits is recommended to accelerate cleaning.
- Be certain all dirt and carbon residue is removed and allow to fully evaporate before re-energizing system.
- Due to risk of electric shock, do not use on energized equipment.
- Follow routine maintenance schedule for prolonged equipment life and increased performance

VIII. Package Description

Part Number	Container Size
02190	16 oz Aerosol
03190	16 oz Aerosol

IX. Disposal

Disposal requirements vary by state and local jurisdiction. All used and unused product should be disposed of in conformance with local, state and federal regulations.

IX. Special Use Warnings

Aerosol Cans

Do not puncture, incinerate or store above 120°F. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

General

Use only in well ventilated area. Ventilation may be improved by opening a window or door or providing mechanical assistance. Avoid continuous breathing of vapor and spray mist. Avoid contact with skin and eyes. If ventilation is not adequate, respiratory protection should be worn. For more information regarding short term and long term exposure, review this product's Material Safety Data Sheet.

DISCLAIMER: This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. All products should be tested for suitability on a particular application prior to actual use. CRC Industries, Inc. makes no representations or warranties of any kind concerning this data.