



I. Product Description

Contact Cleaner 2000® is an aggressive HCFC-based precision cleaner designed to remove contaminants from electrical and electronic equipment. It provides a cost effective alternative to CFC 113-based cleaners when sensitive plastics are not a concern. **Contact Cleaner 2000®** evaporates quickly, leaves no residue, is non-flammable and contains no Class I ozone depleting chemicals. **Contact Cleaner 2000®** contains HCFCs and may only be sold to professionally licensed customers and must be used in accordance with appropriate federal regulations.

II. Applications

Recommended for the effective cleaning of light oils, dirt, dust, fingerprints and flux from contacts, metal switches, motors, relays, generators, edge connectors, buss bars, circuit breakers, scales and sensors. not recommended for use on Noryl® or polycarbonate type plastics.

III. Features & Benefits

- **Evaporates Fast.** No rinsing or wiping required.
- **Leaves No Residue.** Minimizes downtime associated with “clean-in-place” cleaning methods.
- **No Class I Ozone Depleting Chemicals.** Offers superior performance while complying with the EPA regulations on the use of CFCs.
- **No Flash or Fire Point.** Significantly reduces the risk of fire caused by incidental contact with live electrical equipment, increasing user safety.
- **Fast Evaporation.** Minimizes downtime associated with “clean-in-place” cleaning methods.
- **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

Flash Point	None	Boiling Point	89.6°F
Odor	Faint Ether	Freezing Point	Not determined
Appearance	Clear	Solubility	Slight in water
Vapor Density	4.1 (air = 1)	% Volatile	100%
VOC Content (Fed)	Exempt	Specific Gravity	1.24 @ 70°
Sara Title III, Sect. 313 Chemicals	Yes	pH	N/A
Prop 65	No	Propellant	CO ₂

V. Specifications and Approvals

- Authorized by USDA (K2) for use in federally inspected meat and poultry plants.

VI. Performance Characteristics

ASTM D-1130 (KB Value)	51
ASTM D-877 (Dielectric Strength)	21,000 volts
ASTM D-56 (Flash Point)	None (TCC)

VII. Directions

- Spray liberally on surface to be cleaned and allow to run off.
- Use of an abrasive on heavy carbon deposits or corrosion to accelerate cleaning.
- May be harmful to some plastics, such as Lexan®.
- 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
02140	16 oz Aerosol
02142	5 Gallon Pail
02143	55 Gallon Drum
03150	16 oz Aerosol
03152	5 Gallon Pail
03153	55 Gallon Drum

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.

Restrictions

Contains HCFC (141b), which has use restrictions and may only be sold to professional users for applications consistent with the regulation.

Contact Cleaner 2000® may damage some plastics. Test on a small area before using. Do not use on Noryl® or polycarbonate.

PRODUCT WARRANTY: CRC offers a conditional warranty on this product for the period of 2 years from the date of manufacture.

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.

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