

CRC N.F. PRECISION CLEANER
(Non-flammable)

Ref. : 10832

1. GENERAL DESCRIPTION

A unique non-flammable precision cleaner blend for electrical- and electronic equipment. Chlorinated hydrocarbons (1,1,1-trichloroethane), chlorofluorocarbons (CFC's) and hydrochlorofluorocarbons (HCFC's) are extremely effective solvents, and replacing them is not a matter of simply "plugging-in" another solvent. Application trade-offs may need to be made and it is important that factors as :

- evaporation rate
- residue
- flammability
- flashpoint
- compatibility to plastics be seriously considered.

CRC N.F. PRECISION CLEANER is the first alternative on the market that meets the highest performance characteristics :

- chlorinated hydrocarbon free
- CFC and HCFC free
- solvent based
- non-flammable blend (see §6: Typical product data)
- fast evaporation rate.

2. PERFORMANCE CHARACTERISTICS

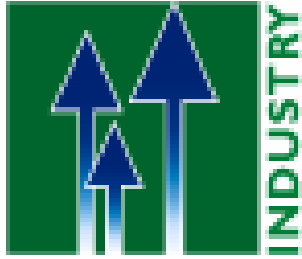
	Typical 1,1,1- based cleaner	Typical CFC-113- based cleaner	CRC N.F. PRECISION CLEANER
Type of cleaner	chlorinated solvent	CFC-solvent	Perfluorated solvent blend
Evaporation rate	fast	very fast	very fast
Rinsing or wiping required	no	no	no
Flammability	no	no	no*
Residue	none	none	none
Stains fabric	no	no	no
Safe on plastics	no	yes	yes
CFC and 1,1,1-tri- chloroethane free	no	no	yes
ODP-Ozone Depleting Potential	0,10	0,80	0,00

* as detailed in Typical Product Data (overleaf)



Manufactured by :
CRC Industries Europe BVBA
Touwslagerstraat 1 – 9240 Zele – Belgium
Tel (32) (0) 52/45.60.11 Fax (32) (0) 52/45.00.34
www.crcind.com





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3. FEATURES

- A high purity, effective, precision cleaner to meet today's environmental and safety laws.
- Composed of fast drying Perfluorated solvent mix with high cleaning power.
- No ozone-depleting potential (ODP = 0,00).
- Improves the performance and reliability of electronic equipment by cleaning contacts and components quickly and effectively.
- Removes flux traces, light oils, finger prints and other contaminants from electrical/electronic equipment.
- Reduces contact resistance, arcing and wear, and thereby extending the life of sensitive equipment.
- Non-conductive and non-corrosive; it evaporates completely, leaving no residue.
- Safe on commonly used metals, elastomers, plastics and coatings.
- Equipped with the 360° (upside-down) spray valve for added convenience.
- High dielectric strength.

4. APPLICATIONS

- CRC N. F. PRECISION CLEANER is suitable for cleaning and degreasing all types of electrical and electronic components where a shutdown is either impossible or very expensive.
- Relays; switches; circuit breakers; alarm and signal systems; printed circuit boards; connectors; generators, contacts; laboratory- and test equipment; terminals; plugs and jacks; electromechanical assemblies; motor controls; sensors.

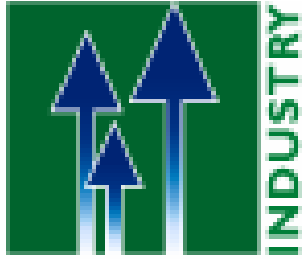
5. DIRECTIONS

- Spray liberally on surface to be cleaned and allow to run off. Use extension tube for precision application.
- To remove oxide and carbon deposits, use an abrasive and rinse off intermittently with CRC N. F. PRECISION CLEANER. Re-lubricate with CRC 2-26 if necessary.
- It is not necessary to switch off electronic/electrical equipment during cleaning. However, it is recommended, while risk of electrical shock can occur when spraycan itself makes accidental electrical contact.
- A safety data sheet (MSDS) according to EU directive 91/155/EEC and amendments is available for all CRC products.



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6. TYPICAL PRODUCT DATA

Appearance	: Clear colorless liquid
Plastics compatibility	: Bellcore test results
Noryl	: pass
ABS	: pass
Lexan	: pass
KB value	: <30
Evaporation	: Evaporation rate < 2 (ether = 1)
Density	: 1,23
Flammability	: Non flammable mixture, containing 32.5 weight % flammable components. Passes EN 14852 (Determination of the ignition distance of the spray jet) Passes EN 14853 (Enclosed space ignition test)

7. PACKAGING

aerosol : 12 x 300 ml

All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com.

We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

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