

# Technical Data



## NF PRECISION CLEANER NON-FLAMMABLE PRECISION CLEANER



A unique non-flammable precision cleaner 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 such as:

- Evaporation Rate
- Residue
- Flammability
- Flashpoint
- Compatibility to plastics

be seriously considered before selection.

NF Precision Clean 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
- Fast Evaporation Rate

### PERFORMANCE CHARACTERISTICS

Type of Cleaner	Typical 1,1,1- based cleaner Chlorinated Solvent	Typical CFC-113- based cleaner CFC-Solvent	CRC NF Precision Clean Perfluorated Solvent Blend
<b>Evaporation Rate</b>	Fast	Very Fast	Very Fast
<b>Rinsing or Wiping Required</b>	No	No	No
<b>Flammability</b>	No	No	No*
<b>Residue</b>	None	None	None
<b>Stains Fabric</b>	No	No	No
<b>Safe on Plastics</b>	No	Yes	Yes
<b>CFC and 1,1,1 Trichloroethane Free</b>	No	No	Yes
<b>ODP-Ozone Depleting Potential</b>	0,10	0,80	<b>0,00</b>

\* as detailed in Typical Product Data (overleaf)

## FEATURES

- Non-flammable
- A high purity, effective, precision cleaner to meet today's environmental and safety laws.
- A fast drying Perfluorated solvent mix with high cleaning power.
- No ozone-depleting action (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.
- Fitted with a 360° Spray System for all angle use, even upside down.
- High dielectric strength.

## APPLICATIONS

- NF 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.

## 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 NF Precision Cleaner. Re-lubricate with Ambersil AGL1 if necessary.
- **It is not necessary to switch off electronic/electrical equipment during cleaning. However, it is recommended, as a risk of electrical shock could possibly occur if the metal aerosol can makes an accidental electrical contact.**

## TYPICAL PRODUCT DATA

General Description	:	Precision cleaner for electronic equipment
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)
Plastics Compatibility	:	Bellcore test results:
Noryl	:	Pass
ABS	:	Pass
Lexan	:	Pass
KB Value	:	<30
Evaporation	:	Evaporation rate <2 (ether = 1)
Density of active ingredients	:	1.23
Appearance	:	Clear Colourless Liquid
Packaging	:	12 x 400ml

## **STORAGE**

The product may be stored at normal ambient temperatures and has a shelf life of not less than 72 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

## **HEALTH AND SAFETY**

Health and Safety sheet available separately.

## **TECHNICAL SERVICE**

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

## **MISREPRESENTATION ACT 1967**

## **TRADE DESCRIPTIONS ACT 1968**

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