

ELECTRO COOL PRO

Technical Data Sheet

Product name: Electro Cool Pro

Creation date: 09/2018

Version: 2

1: General description

CRC Electro Cool Pro consists of liquefied gases under pressure. The fluid evaporates very quickly and, in doing so, extracts heat due to evaporation, from the environment. As a result, the sprayed surface cools down considerably. CRC Electro Cool Pro evaporates completely and leaves no residue. Commonly used materials are not attacked. There is no explosion or flammability risk under practical application conditions.

2: Features

- Evaporates very quickly.
- Leaves no residue.
- Allows locating wiring interruptions.
- Protects heat sensitive parts during soldering or the use of other heat sources.
- Makes quick temperature changes possible for trouble shooting on thermo-reacting parts.

3: Applications

- Wire beams in cars, motorbikes, trucks, trailers and caravans.
- Electronic components in hi-fi equipment and computers.
- Testing of thermo-reacting contacts.
- Protection of electronic components during repair of printed circuits.

4: Directions

Trouble shooting:

- Switch on the equipment.
- Allow warming up until operating temperature is reached or fault occurs.
- When normal operating temperature is reached or the equipment malfunctions, suspected components are purposefully sprayed with CRC Electro Cool Pro.
- Observe changes in operation of the equipment.



Protection:

During soldering or the use of other heat sources in the area of electronic components that are heat sensitive, the sensitive component can be kept at low (acceptable) temperatures by spraying short shots of CRC Electro Cool Pro at regular intervals onto the component.

A safety data sheet (MSDS) according to EC Regulation N° 1907/2006 Art.31 and amendments is available for all CRC products.

5: Typical product data (without propellant)

Composition	: liquid gas
Specific gravity @ 20°C (FEA 605)	: 1,139 g/cm ³
Lowest temperature achievable	: -45 °C With glass thermometer (@ 20°C and 75%RH)

Tests according directive 2008/47/EC : non flammable (mixture)*

Passes EN 14852 (Determination of the ignition distance of the spray jet)

Passes EN 14853 (Enclosed space ignition test)

6: Packaging

Aerosol 12x250 ML

*Although classified as nonflammable by GHS, DOT, IATA and IMDG and as measured by ASTM E-681 and ISO 10156, Solstice® Propellant (HFO-1234ze) can exhibit vapor flame limits at elevated temperatures. Solstice® Propellant has a very narrow flammable range (LFL-UFL) of 8.0-8.5 volume percent in air at one atmosphere under the following conditions:

- Temperature is 86°F (30°C), (and)
- Relative Humidity ≥50%, (and)
- High energy ignition source or open flame is present

Accordingly, CRC recommends that for use on energized electrical equipment the ambient temperature should be below 28°C.

More detailed information can be found on the [HFO document](#).

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 as a result of a change in legislation, availability of components or 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 that you register on our website for this product, thus enabling you to automatically receive any future updates.