



CRC Industries NZ  
Auckland NZ

## I. Product Description

CRC Freeze Spray is a multi-purpose freezing agent for maintenance, trouble shooting and repair – a handy tool for use in electronics, engineering, automotive and more.

CRC Freeze Spray instantly cools small components and isolates circuits to assist with diagnostic of heat-induced failures. It aids in the assembly of close tolerance or interference fit configurations and is a helpful tool for many other engineering and automotive applications.

## II. Features & Benefits

- Non-flammable
- Ideal for use in electronics, engineering and automotive
- Aids in the assembly of close tolerance or interference fit configurations
- Pure formulation – Dries instantly, leaves no residue, non-abrasive
- Safe on plastics and polystyrene
- HFO Formula – Very Low Global Warming Potential (GWP). Compared to traditional aerosol-based dusters it has been formulated to reduce environmental impact.
- MPI Approved C22
- RoHS Compliant
- Low Global Warming Potential
- Zero Ozone Depletion Potential
- Perfect for removing gum from fabrics – Simply freeze and break off

## III. Application and Directions

1. Direct a short burst on component or area to be cooled. Longer bursts will be necessary for cooling of larger areas.
2. Do not hold part to be sprayed in your hand. Frostbite will result from spray contacting skin.

## IV. Typical Properties and Characteristics

Appearance	Colourless liquefied gas
Odour	Slight ethereal
Volatile Component (% vol)	100
Solubility	Immiscible in water
Propellant	HFO 1234ze
Flash Point	N/A
Flammability	Non-flammable
Freezing Point	-60°C
Dielectric Constant	Liquid 2.15 Vapour 1.0016

## V. Package Description

Part Number	Size
2072	300g Aerosol



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## VI. Special Precautions

### General:

\*Although classified as nonflammable by GHS, DOT, IATA and IMDG and as measured by ASTM E-681 and ISO 10156, Propellant HFO-1234ze can exhibit vapor flame limits at elevated temperatures. Propellant HFO-1234ze 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  $\geq$ 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.

Use with adequate ventilation. Store in a cool, well-ventilated area. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply.

### Aerosol Cans:

Do not puncture, incinerate or store above 50°C. 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.

### First Aid:

Swallowed – Not considered a normal route of entry. Avoid giving milk, oils or alcohol.

Skin – Flush skin and hair with running water (and soap if available).

Eyes – Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water. Transport to hospital or doctor without delay.

Inhaled – Remove to fresh air. Lay patient down. Keep warm and rested.

Refer to Material Safety Data Sheet for more details.



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## Technical Data Sheet – 2072

### CRC Freeze Spray

**TECHNICAL DATA SHEET** Version 11/2018

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

**DISCLAIMER:** All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.