



CRC Industries NZ  
Auckland NZ

## I. **Product Description**

CRC 5-56 Electrical is a plastic safe lubricant, penetrant, cleaner and corrosion inhibitor that helps prevent electrical malfunction caused by water penetration, humidity, condensation or corrosion and restores electrical properties after water damage. Non-flammable and silicone-free.

As part of a preventative maintenance programme, CRC 5-56 Electrical prevents 80% of all electrical failures by protecting equipment from moisture and corrosion. A thin residual film with light lubricating properties seals out moisture and provides long-lasting protection for electrical equipment even in difficult environmental conditions.

In flood and water damaged equipment, CRC 5-56 Electrical displaces moisture and restores resistance values, stops short circuits, current leakage and arcing. Its unique viscosity allows for deep penetration into the surface for complete moisture elimination.

Specially formulated with high levels of cleaning power, CRC 5-56 Electrical can be used as a degreaser with a light non-metallic abrasive pad like Scotch-Brite and is ideal for effective removal of fingerprint contamination.

CRC 5-56 Electrical does not contain silicones, CFCs and chlorinated solvents.

## II. **Features & Benefits**

- **Multi-purpose product for electrical equipment** – Precision lubricant, corrosion control, penetrant, cleaner
- **Protective lubricating film seals out moisture, resists difficult environmental conditions** – Eliminates breakdowns caused by water penetration, humidity, salt air, condensation or corrosion
- **Repairs water damaged equipment** – Restores electrical properties
- **Improves electrical properties** – Stops short circuits, current leakage and arcing
- **Cleaning power** – Ideal for effective removal of fingerprint contamination
- **High dielectric strength** – Ideal for higher voltage applications
- **Preventative maintenance** – Extends operational life and reduces downtime due to unscheduled maintenance and repair
- **Plastic-safe** – Allows one product to be used in all applications
- **Non-flammable**
- **Silicone-free**
- **360° Valve** – Product can be sprayed from any position even upside down
- **300g Includes Permastraw™ Dual-Action Spray System** - One piece actuator with two-way spray that ensures that straw stays in place.
- **Temperature Range -20°C to +150°C**
- **MPI Approved C14**
- **USDA Authorised for use in Federally Inspected Meat and Poultry Plants.**
- **MIL Specs: Mil-C-81309C Type 111; W-P-216B; O-W-1284B**
- **NSN 6850-00-874-5847. NSN 6850-98-106 4647. NSN 6850-98-106 2693.**
- **Conforms to Aust Defence Spec 1002-PX112**
- **Certificate of inspection for use in NSW Coal Mines**

## III. **Application and Directions**

1. For electrical equipment which has been submerged in water, spray liberally on every surface. Allow 2-24 hours to displace the water.
2. To protect metals, spray light even film.
3. To loosen 'frozen' parts, apply liberally and allow to run off.
4. For hard-to-reach areas, use extension tube.
5. Repeat application if necessary.



CRC Industries NZ  
Auckland NZ

#### IV. Typical Properties and Characteristics

##### Physical Properties:

Flash Point	100°C
Odour	pleasant, low odour
Appearance	clear liquid
Specific Gravity	0.8167 ± 0.02
Viscosity (20°C)	4cSt
Propellant	non-flammable Carbon Dioxide

##### Performance Characteristics:

Temperature Range	-20°C to +150°C
Heat Resistance Film Degradation	from 150°C
Dielectric strength	42,000 Volts per ASTM D877
Lubrication (Falex)	Up to 1500 lbs
Average film thickness	1-2µm
Corrosion Inhibitor	Indoor only, up to 9 months

#### V. Package Description

##### Part Number Size

1751841 420ml Aerosol + Permastraw™ Dual-Action Spray System

#### VI. Special Precautions

**General:** Flammable liquid. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Avoid breathing dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing, eye protection, face protection. Store in a well-ventilated place. Keep container tightly closed. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply. Refer to Material Safety Data Sheet for more details.

**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 – Do not induce vomiting. Give water to rinse out mouth then provide liquid slowly as much as casualty can comfortably drink. Seek medical advice. Avoid giving milk, oils or alcohol. Skin – Flush skin and hair with running water (and soap if available). Remove any adhering solids with industrial skin cleansing cream. Do not use solvents. Seek medical attention in the event of irritation.

Eyes – Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay.

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

TECHNICAL DATA SHEET Version 01/2018

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



CRC Industries NZ  
Auckland NZ

**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.