



CRC Industries NZ, Auckland NZ

I. Product Description

CRC Extreme Duty Silicone is a premium grade silicone fluid with excellent lubrication and temperature viscosity characteristics. It leaves a thin, clear, odourless film that chemically reacts with metal surfaces to provide lubrication properties far superior than conventional silicone lubricants.

Designed for high pressure and high temperature applications on metal and non-metal surfaces, CRC Extreme Duty Silicone reduces friction and galling even on metal-to-metal contact areas. Won't melt or freeze.

II. Application and Directions

1. Spray light, even film for most applications.
2. If necessary, repeat application.
3. Use CRC Lectra Clean to help remove any overspray.

III. Features & Benefits

- **Superior Lubricating Properties** – Even in demanding conditions
- **Clear, odourless, non-staining**
- **Resists Moisture** – Stays in place in damp environments
- **Extreme Temperature and Pressure Range** – Effective from -38°C to +316°C. Withstands 1200 lbs. Falex test.
- **Reduces Friction and Galling** – Eases metal-to-metal contact to prolong equipment life
- **Prevents rust**
MPI Approved C12

IV. Typical Properties and Characteristics

Physical Properties:

| | |
|------------------------------------|--------------------------------|
| Appearance | Clear, water-white liquid |
| Odour | Mild solvent |
| Propellant | Hydrocarbon |
| Flash Point (Aerosol) | <0°C |
| Flash Point (residual film) | 316°C |
| Boiling Point | 80°C initial |
| Solubility | Negligible in H ₂ O |
| Specific Gravity | 0.87 |



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Technical Data Sheet – 3030

CRC Extreme Duty Silicone

Performance Characteristics:

| | |
|----------------------------------|---------------------------|
| Type of film | Thin clear film |
| Dry time | 5 minutes |
| Temperature Range | -38°C to +316°C |
| Thermal Conductivity @ 24°C | 0.088 BTU/FT/HR/°F |
| Dielectric Constant @ 100 cycles | 2.9 |
| Dielectric Strength (ASTM D-877) | 230 Volts/mil |
| Dissipation Factor @ 100 cycles | 0.0013 |
| Volume Resistivity | 8×10^{12} OHM/CM |
| Pressure Range | 0-20,000 P.S.I. |
| Falex Test | 1,200 P.S.I. |

V. Package Description

| Part Number | Size |
|-------------|---------------|
| 3030 | 350ml Aerosol |

VI. Special Precautions

General:

Flammable aerosol/Highly flammable liquid and vapour. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Avoid breathing dust, fume, gas, vapours, spray. Use only outdoors or in a well-ventilated area. Use protective equipment as required. 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.

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 give milk or oil. Do not give alcohol.

Skin – Flush skin and hair with running water (and soap if available). Remove any adhering solids with with industrial skin cleansing cream. Do not use solvents. Seek medical attention in the event of irritation.

Eyes – Immediately hold eyelids apart and flush eye with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay.

Inhalation – Remove to fresh air. Lay patient down. Keep warm and rested. If breathing with difficulty, get medical attention immediately.

Refer to Material Safety Data Sheet for more details.

TECHNICAL DATA SHEET Version 08/2015

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.