

# TECHNICAL DATA SHEET

Product No. 2094



ACN 000 725 833

## CRC Industries (Aust) Pty. Limited

PO Box 199, Castle Hill, NSW 1765.

### I. Product Description

**CRC Electrical Quality SILICONE** is a high quality, multipurpose silicone spray. **CRC Electrical Quality SILICONE** is a non-corrosive formula that provides a thin, durable, clear, odourless film that lubricates, protects and eliminates squeaking and binding caused by friction. **CRC Electrical Quality SILICONE** is an excellent mould release.

### II. Applications

Use **CRC Electrical Quality SILICONE** for:

- Lubricating, waterproofing and to protect rubber, plastic, metal, nylon and wood.
- Restoring, protecting and preserving rubber mats; mountings and seals; vinyl tops; weather stripping; dashboards; door mouldings and plastic parts.
- Protecting and lubricating tools, hoists, jacks, locks, latches, switches, controls, zippers and pulleys.
- Mould release for plastics, composites, etc.

### III. Features & Benefits

- Clear, non-staining and odourless.
- Resists moisture.
- Reduces friction.
- Reduces wear
- Reduces noise

### IV. Physical Properties without propellant

Flash Point	-17 <sup>0</sup> C	Boiling Point	80 <sup>0</sup> C initial
		Pour Point (Freezing)	-46 <sup>0</sup> C
Odour	Pleasant Solvent	Solubility	Negligible in H <sub>2</sub> O
Appearance	Clear, Water-white	% Volatile	60
Vapour Density	100mHg@20 <sup>0</sup> C	Specific Gravity	0.87
		Propellant	Hydrocarbon

### V. Specification and Approvals

- M.A.F. Meat Approved C12
- AQIS category 11, Lubricant Type B
- USDA Approved for incidental food contact FDA regulation CFR 21-178-3570
- USDA Authorised for use in Federally inspected Meat and Poultry Plants.

## VI. Performance Characteristics

Type of Film	Dry, clear, non-hardening
Surface Tension	21.3 Dynes/cm
Temperature Range	-40 <sup>0</sup> C to 260 <sup>0</sup> C
Dielectric Constant @ 25 <sup>0</sup> C	2.75 @ 10 <sup>6</sup> cycle
Volume Resistivity	1.0 x 10 <sup>14</sup> ohm-cm
Thermal Conductivity @ 66 <sup>0</sup> C	018 kg-cal/H/m <sup>2</sup> °C

## VII. Directions

- ❑ Shake can well before use.
- ❑ De-energize equipment before applying.
- ❑ Best performance when used on a clean surface.
- ❑ Spray a light , even film.
- ❑ Repeat application, if necessary.
- ❑ Do not spray on energized equipment.

## VIII. Disposal

Disposal requirements vary by state and local regulations. All used and unused product should be disposed of in conformance with local, state and commonwealth laws and regulations.

## IX. Special Use Warnings

### Aerosol Cans

Do not puncture, incinerate or store above 50<sup>0</sup>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.

### General

Use only in well ventilated area. Ventilation may be improved by opening a window or door or providing mechanical assistance. Avoid continuous breathing of vapour and spray mist. Avoid contact with the skin and eyes. If ventilation is not adequate, respiratory protection should be worn. For more information regarding short term and long term exposure, review this product's Material Safety Data Sheet.

**PRODUCT WARRANTY:** CRC offers a conditional warranty on 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 (Aust.) Pty. Ltd. All products should be tested for suitability on a particular application prior to actual use. CRC Industries (Aust.) Pty. Ltd. makes no representations or warranties of any kind concerning this data.



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** ELECTRICAL QUALITY SILICONE  
**Synonym(s)** 2094 - MANUFACTURER'S CODE • CRC ELECTRICAL QUALITY SILICONE • E.Q. SILICONE • EQ SILICONE • SILICONE ELECTRICAL QUALITY

#### 1.2 Uses and uses advised against

**Use(s)** LUBRICANT

#### 1.3 Details of the supplier of the product

**Supplier name** CRC INDUSTRIES (AUST) PTY LIMITED  
**Address** 9 Gladstone Road, Castle Hill, NSW, 2154, AUSTRALIA  
**Telephone** (02) 9849 6700  
**Fax** (02) 9680 4914  
**Email** [info@crcind.com.au](mailto:info@crcind.com.au)  
**Website** [www.crcindustries.com.au](http://www.crcindustries.com.au)

#### 1.4 Emergency telephone number(s)

**Emergency** 13 11 26 (PIC)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS classification(s)** Aerosols: Category 1

#### 2.2 Label elements

**Signal word** DANGER

**Pictogram(s)**



#### Hazard statement(s)

H222 Extremely flammable aerosol.  
H229 Pressurized container: may burst if heated.

#### Prevention statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.

#### Response statement(s)

None allocated.

#### Storage statement(s)

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

#### Disposal statement(s)

None allocated.

**2.3 Other hazards**

No information provided.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substances / Mixtures**

Ingredient	CAS Number	EC Number	Content
PETROLEUM GASES, LIQUEFIED	68476-85-7	270-704-2	30 to 60%
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	265-192-2	30 to 60%
SILICONE COMPOUND(S)	-	-	10 to 30%

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**4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

<b>Eye</b>	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
<b>Inhalation</b>	If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
<b>Ingestion</b>	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.
<b>First aid facilities</b>	No information provided.

**4.2 Most important symptoms and effects, both acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

**5.2 Special hazards arising from the substance or mixture**

Highly flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources, including cigarettes, open flames, spark producing switches/tools, heaters, pilot lights, mobile phones, etc when handling. Aerosol cans may explode above 50°C.

**5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**5.4 Hazchem code**

2Y  
2 Fine Water Spray.  
Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.

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**6. ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

**7.3 Specific end use(s)**

No information provided.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure standards**

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Liquefied petroleum gas (LPG)	SWA (AUS)	1000	1800	1000	1800

**Biological limits**

No biological limit values have been entered for this product.

**8.2 Exposure controls**

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

**PPE**

- Eye / Face** Wear splash-proof goggles.
- Hands** Wear nitrile or neoprene gloves.
- Body** Not required under normal conditions of use.
- Respiratory** At high vapour levels, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	CLEAR COLOURLESS LIQUID (AEROSOL DISPENSED)
<b>Odour</b>	SOLVENT ODOUR
<b>Flammability</b>	HIGHLY FLAMMABLE
<b>Flash point</b>	< 23°C
<b>Boiling point</b>	67°C (Initial)
<b>Melting point</b>	NOT AVAILABLE
<b>Evaporation rate</b>	15 (n-Butyl acetate = 1)
<b>pH</b>	NOT AVAILABLE

**9.1 Information on basic physical and chemical properties**

Vapour density	> 1 (Air = 1)
Specific gravity	0.927
Solubility (water)	INSOLUBLE
Vapour pressure	100 mm Hg @ 20°C
Upper explosion limit	10.7 %
Lower explosion limit	1.3 %
Partition coefficient	NOT AVAILABLE
Autoignition temperature	540°C
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

**9.2 Other information**

% Volatiles	96 %
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**10. STABILITY AND REACTIVITY**

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**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Polymerization is not expected to occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

**10.6 Hazardous decomposition products**

May evolve carbon oxides and hydrocarbons when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

<b>Health hazard summary</b>	May be harmful - irritant. This product may only have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). Use safe work practices to avoid eye or skin contact and vapour generation - inhalation. Over exposure may result in central nervous system (CNS) effects.
<b>Eye</b>	Irritant. Contact may result in irritation, lacrimation, pain and redness.
<b>Inhalation</b>	Irritant. Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness.
<b>Skin</b>	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.
<b>Ingestion</b>	May be harmful. Ingestion may result in nausea, vomiting, abdominal pain and drowsiness with large quantities. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema. Ingestion is considered unlikely due to product form.
<b>Toxicity data</b>	No LD50 data available for this product.

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

No information provided.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Waste disposal** For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS	AEROSOLS	AEROSOLS
14.3 Transport hazard class	2.1	2.1	2.1
14.4 Packing Group	None Allocated	None Allocated	None Allocated

**14.5 Environmental hazards** No information provided

**14.6 Special precautions for user**

Hazchem code	2Y
GTEPG	2D1
EMS	F-D, S-U

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

<b>Hazard codes</b>	F+	Extremely flammable
<b>Risk phrases</b>	R12	Extremely Flammable.
<b>Safety phrases</b>	S9	Keep container in a well ventilated place.
	S16	Keep away from sources of ignition - No smoking.
	S35	This material and its container must be disposed of in a safe way.

**PRODUCT NAME ELECTRICAL QUALITY SILICONE**

**Inventory listing(s)** AUSTRALIA: AICS (Australian Inventory of Chemical Substances)  
All components are listed on AICS, or are exempt.

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**16. OTHER INFORMATION**

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**Additional information** AEROSOL CANS may explode at temperatures approaching 50°C.

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

**Revision history**

Revision	Description
2.0	GHS classifications provided.
1.0	Initial SDS creation



**PRODUCT NAME    ELECTRICAL QUALITY SILICONE**

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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**Revision:** 2

**SDS date:** 12 February 2015

**[ End of SDS ]**