



# A NEW FORCE IN CHEMICAL MANUFACTURING

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## SAFETY DATA SHEET

ISSUED APRIL, 2017 (VALID 5 YEARS FROM DATE OF ISSUE)

### R14 Silicone Dielectric Grease

#### Section 1 - Identification of The Material and Supplier

Chemtools Pty Ltd  
Unit 2/14-16 Lee Holm Road  
St Marys NSW 2760

Phone: 1300 738 250 (business hours)  
Fax: 02 9623 3670  
www.chemtools.com.au

**Product Name:** R14 Silicone Dielectric Grease  
**Product Use:** For use in lubricating, mould releases, vacuum seals and high voltage applications.  
**Part Number:** CT-R14  
**Available Sizes:** CT-R14-S10-PT (10cc)  
CT-R14-S30-PT (30cc)  
CT-R14-50G  
CT-R14-200G  
CT-R14-500G  
CT-R14-1KG  
CT-R14-4KG  
CT-R14-5KG  
**Creation Date:** April, 2017

#### Section 2 - Hazards Identification

##### Statement of Hazardous Nature

This product is not classified as hazardous. Not classified as dangerous goods.

**Risk Phrases:** Not Applicable

**Safety Phrases:** Not Applicable

#### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %
Non-hazardous ingredients	secret	100%

#### Section 4 - First Aid Measures

##### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** Not Applicable

**Skin Contact:** Remove affected clothes, jewellery, footwear etc. from the victim.

Wash the affected area with soap and water. If irritation persists seek medical advice.

**Eye Contact:** Wash with large amounts of water, lukewarm recommended, for at least 15 minutes.

Ask victim to look up and down and sideways to wash properly.

Do not allow victim to rub the eye. Do not allow the victim to keep the eye shut. Do not use oil or ointment without medical supervision. Do not use hot water for washing. Have the victim examined by a doctor if irritation persists.

**Ingestion:** Wash mouth with water several times. Seek medical advice.

#### SAFETY DATA SHEET

Issued by: Chemtools Pty Ltd

Phone: 1300 738 250 (business hours)

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

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### Section 5 - Fire Fighting Measures

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**Extinguishing Media:** In case of fire, use an extinguisher based on foam, dry chemical, water mist or carbon dioxide.

**Hazards for combustion products:** Carbon monoxide, fumed silica, formaldehyde

**Protective Precautions and Equipment for Fire Fighters:** None required

**Hazchem Code:** Not applicable

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### Section 6 - Accidental Release Measures

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**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Scrape or mop up with absorbent material such as rags, sand or vermiculite and put into separate containers. Keep the public away from spills. Will be slippery underfoot.

Use polyethylene containers or lined steel drums. Take to a disposal company and give a full description of the material. Dispose according to federal and state legislations.

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### Section 7 - Handling and Storage

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**Handling:** None

**Storage:** No known storage incompatibilities. Keep away from children.

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### Section 8 - Exposure Controls and Personal Protection

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**National Exposure Standards:** Not known

**Biological Limit Values:** None known

**Engineering Controls:** No special precautions required.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** Vinyl, latex or rubber gloves are suitable.

**Protective Material Types:** Normal work clothing is suitable.

**Respirator:** A respirator will not be necessary.

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### Section 9 - Physical and Chemical Properties:

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**Physical Description & colour:** A colourless translucent paste

**Odour:** Odourless

**Boiling Point:** > 250°C

**Freezing/Melting Point:** Not determined

**Vapour Pressure:** Not determined

**Vapour Density:** Not determined

**Specific Gravity:** 1.00 @ 25°C

**Water Solubility:** Not miscible.

**pH:** Not applicable

**Flash Point:** >260°C

**Lower Explosive Limit (%):** Not applicable

**Upper Explosive Limit (%):** Not applicable

**Autoignition Temperature:** Not determined

**Specific Heat Valve:** Not determined

**Particle Size:** Not applicable

**Volatile Organic Compounds Content:** Not applicable

**Evaporation Rate:** Not determined

**Viscosity:** Not applicable

**Percent Volatile:** <2% (by weight)

**Octanol/Water partition Coefficient:** Not determined

**Saturated Vapour Concentration:** Not determined

**Shock Sensitivity:** None

**Corrosiveness:** None

**Oxidising Properties:** None

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<b>Reactivity with Common Substances:</b>	None
<b>Solubility in Organic Solvents:</b>	Partially soluble in hydrocarbons and chlorinated solvents
<b>Flame Propagation/Burning Rate:</b>	Not applicable
<b>Properties that may initiate or uniquely contribute to the intensity of a fire:</b>	None known
<b>Potential for dust explosion:</b>	None known
<b>Reactions that release flammable gases or vapours:</b>	None known
<b>Fast or intensely burning charateriscs:</b>	None known
<b>Non-flammable that could contribute unusual hazards to a fire:</b>	None known
<b>Release of invisible flammable vapours and gases:</b>	None known
<b>Decomposition Temperature:</b>	>150°C

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### Section 10 - Stability and Reactivity

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<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None known
<b>Incompatible Materials:</b>	None known
<b>Hazardous Decomposition Products:</b>	Silica fume, formaldehyde
<b>Hazardous Reactions:</b>	None known

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### Section 11 - Toxicological Information

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**Likely route of exposure: Ingestion, Skin Contact, Inhalation**

**Health Effects from Likely Routes of Exposure:**

**Acute**

<b>Ingestion:</b>	None known
<b>Eye:</b>	None known
<b>Skin:</b>	None known
<b>Inhalation:</b>	None known

**Chronic**

<b>Ingestion:</b>	None known
<b>Eye:</b>	None known
<b>Skin:</b>	None known
<b>Inhalation:</b>	None known

**Other Information:**

This product contains Methylpolysiloxanes which can generate Formaldehyde above approximately 150°C in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitiser, eye and throat irritant, acute toxicant and potential cancer hazard.

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## Section 12 - Ecological Information

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**Aquatic Toxicity:** No adverse effects on aquatic organisms are predicted

**Behaviour in sewage processing plants:** Not thought to have adverse effect on bacteria. Siloxane polymers do not contribute to BOD

**Mobility:** Not known

**Persistence and Biodegradability:** Siloxanes bind to soil and sludge and are biodegradable.

**Bioaccumulative Potential:** Studies have found no siloxane build up in the environment

**Environmental Fate:** Siloxanes degrade to volatile cyclics

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## Section 13 - Disposal Considerations

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**Disposal:** Take to a disposal company and give a full description of the material. Dispose of according to Commonwealth and state regulations. Use polyethylene containers or lined steel drums.

**Special precautions for Landfill or Incineration:** None

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## Section 14 - Transport Information

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### Land Transport – ADG

<b>UN Number:</b>	Not applicable
<b>UN Proper Shipping Name:</b>	Not applicable
<b>Dangerous Goods Class:</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards for Transport Purposes:</b>	None known
<b>Special precautions for user:</b>	None known
<b>Hazchem Code:</b>	Not applicable

### Sea Transport – IMDG

<b>UN Number:</b>	Not applicable
<b>UN Proper Shipping Name:</b>	Not applicable
<b>Dangerous Goods Class:</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Marine Pollutant:</b>	Not applicable

### Air Transport – IATA DGR

<b>UN Number:</b>	Not applicable
<b>UN Proper Shipping Name:</b>	Not applicable
<b>Dangerous Goods Class:</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing Group:</b>	Not applicable

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## Section 15 - Regulatory Information

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<b>SUSMP Poisons Schedule:</b>	Not applicable
<b>Prohibition/Notification/Licensing Requirements:</b>	Not applicable
<b>Industrial Chemicals (Notification and Assessment) Act 1989 (Commonwealth):</b>	All ingredients listed or exempt

## SAFETY DATA SHEET

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**Section 16 - Other Information**

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This SDS contains only safety-related information. For other data see product literature.

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

**SAFETY DATA SHEET**