



# SAFETY DATA SHEET

## A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

ISSUED MAY 2020 (VALID 5 YEARS FROM THE DATE OF ISSUE)

### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>SUPPLIER</b>	CHEMTOOLS PTY LTD	<b>PHONE</b>	1300 738 250 (Business Hours)
<b>ADDRESS</b>	Unit 2, 14 – 16 Lee Holm Road ST MARYS NSW 2760	<b>FAX</b>	02 9623 3670
		<b>WEBSITE</b>	www.chemtools.com.au

<b>PRODUCT NAME</b>	DEOX Silicone Fluid		
<b>PART NUMBER</b>	CT-R14SF	<b>PRODUCT TYPE</b>	Silicone Fluid
<b>PRODUCT USE</b>	Lubricant		
<b>CREATION DATE</b>	July 2018	<b>LATEST REVISION DATE</b>	Refer to date of issue above

### SECTION 2: HAZARDS IDENTIFICATION

<b>Statement of Hazardous Nature</b>	Not classified as Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).
<b>ADG Classification</b>	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (7 <sup>th</sup> Edition).

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Chemical Entity	CAS Number	Proportion
Ingredients determined not to be hazardous	-	100%

### SECTION 4: FIRST AID MEASURES

<b>General Advice</b>	If poisoning occurs, contact a doctor or Poisons Information Centre (Australia 13 11 26, New Zealand 0800 764 766).
<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist, seek medical attention.
<b>Skin Contact</b>	Wash affected area thoroughly with soap and water. If symptoms develop, seek medical attention.
<b>Eye Contact</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed completely out. If symptoms develop and/or persist, seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
<b>Advice to Doctor</b>	Treat symptomatically
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre or a doctor at once.

POISONS INFORMATION CENTER: 13 1126 FROM ANYWHERE IN AUSTRALIA (0800 764 766 FROM NEW ZEALAND)



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### SECTION 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Carbon dioxide, dry chemical, or foam. Do NOT use water jet.
<b>Hazards from Combustion Products</b>	Under fire conditions, this product may emit toxic and/or irritating fumes, smoke, and gases, including carbon monoxide, carbon dioxide, and oxides of nitrogen.
<b>Specific Hazards Arising from The Chemical</b>	This product will burn if exposed to fire.
<b>Decomposition Temperature</b>	Not available
<b>Precautions in Connection with Fire</b>	Fire Fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe in vapours or dust. Wear personal respiratory protection and full protective clothing to minimise exposure.
<b>Liquid Form</b>	Extinguish or remove all sources of ignition and stop leak if safe to do so. If possible, contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal.
<b>Solid Form</b>	Sweep up material avoiding dust generation – dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled containers for subsequent recycling or disposal. Dispose of waste according the applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulations.

### SECTION 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Avoid inhalation of vapours, mists and dust, and skin or eye contact. Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of vapours, mists, or dust in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat, or weld containers as they may contain hazardous residues. Establish good housekeeping practices.  <b>Solid Form:</b> Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal
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	hygiene, i.e., washing hands prior to eating, drinking, smoking, or using toilet facilities.
<b>Conditions for Safe Storage - incl. any incompatibilities</b>	Store in a cool, dry, well-ventilated area away from heat, sources of ignition, and out of direct sunlight and moisture. Store away from incompatible materials such as materials that support combustion; oxidising agents, strong acids, food stuffs, and clothing. Store in suitable, labelled containers. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.
<b>Storage Temperatures</b>	Preferably store between 5°C and 39°C

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Biological Limit Values</b>	None allocated
<b>Occupational Exposure Limit Values</b>	None established
<b>Appropriate Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respirator protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapour, mist, or dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715 2009, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 2012 Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
<b>Eye Protection</b>	Safety Glasses with side shields, chemical goggles, or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australia/New Zealand Standard AS/NZS 1337 2 & 6 2012 – Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material such as PVC, which is suitable for casual contact. Neoprene or nitrile gloves are recommended for direct contact of more than 2 hours. Final choice of appropriate gloves will vary according to individual circumstances, i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant

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	regulations. Reference should be made to AS/NZS 2161.1 2016: Occupational Protective Gloves – Selection, Use and Maintenance.
<b>Body Protection</b>	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.
<b>Other Information</b>	<b>Solid Form:</b> No exposure standards have been established for this material, however, the TWA exposure standards for dust not otherwise specified is 10mg/m <sup>3</sup> . As with all chemicals, exposure should be kept to the lowest possible levels. <b>Time Weighted Average (TWA):</b> The airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. Source: Safe Work Australia

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

(Note: Typical values only – consult specification sheet)

<b>Form/Appearance</b>	Solid/Liquid
<b>Colour</b>	Various
<b>Odour</b>	Typical
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Not available
<b>Specific Gravity</b>	Not available
<b>pH</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Not available
<b>Volatile Component</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Auto-Ignition Temperature</b>	Not available
<b>Explosion Limit – Upper</b>	Not available
<b>Explosion Limit – Lower</b>	Not available
<b>Explosion Properties</b>	Not available
<b>Oxidising Properties</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Dynamic Viscosity</b>	Not available

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### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Refer to Section 10: Possibility of hazardous reactions
<b>Chemical Stability</b>	Stable under normal conditions of storage and handling
<b>Conditions to Avoid</b>	Dust, heat, open flames, and other sources of ignition. Extremes of temperature (preferably, store between 5°C and 39°C). The product is combustible when heated > 300°C.
<b>Incompatible Materials</b>	May react with strong oxidising agents (e.g., chlorates, peroxides), especially at high temperatures.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes, including: carbon dioxide, carbon monoxide, and oxides of nitrogen.
<b>Possibility of Hazardous Reactions</b>	Reacts with incompatible materials. May react with strong oxidising agents (e.g., chlorates, peroxides), especially at high temperatures.
<b>Hazardous Polymerisation</b>	Will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

No toxicity data available for this material.

<b>Inhalation</b>	Inhalation of dusts/vapours may irritate the gastric tract causing nausea and vomiting.
<b>Skin Contact</b>	May be irritating to skin. They symptoms may include redness, itching, and swelling.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Eye Contact</b>	May be irritating to eyes. The symptoms may include redness, itching, and tearing.
<b>Respiratory Sensitisation</b>	Not expected to be a respiratory sensitiser.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser.
<b>Germ Cell Mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard.
<b>Reproductive Toxicity</b>	Not considered to toxic to reproduction.
<b>STOT-single Exposure</b>	Not expected to cause toxicity to a single target organ.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No information available.
<b>Persistence and Degradability</b>	Insoluble in water - can be separated from water mechanically in suitable effluent treatment plans.
<b>Bioaccumulation Potential</b>	Not available.

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<b>Mobility</b>	Non-volatile and absorption into soil solid phase not expected.
<b>Other Adverse Effects</b>	Not available
<b>Environmental Protection</b>	Prevent this material entering waterways, drains, and sewers.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>General Information</b>	The disposal of the spilled waste material must be done in accordance with applicable local and national regulations.
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### SECTION 14: TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (7<sup>th</sup> Edition).

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criterion of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### SECTION 15: REGULATORY INFORMATION

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule:** Not scheduled.

### SECTION 16: OTHER INFORMATION

KEY/LEGEND	
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> Edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS Number</b>	Chemical Abstracts Service (Registry Number)
<b>CO2</b>	Carbon Dioxide
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services, especially firefighters.
<b>IARC</b>	International Agency for Research on Cancer

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<b>KG</b>	Kilograms
<b>LC50</b>	LC stands for Lethal Concentration
<b>LD50</b>	LD stands for Lethal Dose
<b>LT</b>	Litres
<b>N.O.S.</b>	Not Otherwise Specified
<b>NTP</b>	National Toxicology Program (USA)
<b>ppm</b>	Parts per Million
<b>STEL</b>	Short Term Exposure Limit
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average
<b>UN Number</b>	United Nations Number

This SDS is prepared in accordance with the Safe Work Australia (SWA) document, entitled: **Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice (February 2016)**.

This Safety Data Sheet (SDS) summarises our best knowledge of the Health and Safety Hazard information pertaining to this product, including how to safely handle and use the product in the workplace.

Each user must review this SDS in the context of the how the product will be handled and used. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact **Chemtools Pty Ltd**, whereby we will attempt to obtain additional information from our suppliers.

Our responsibility for products sold is subject to our Terms and Conditions, a copy of which is sent to our customers and is also available upon request.

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