



# SAFETY DATA SHEET

## A NEW FORCE IN CHEMICAL MANUFACTURING

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

ISSUED APRIL 2018 (VALID 5 YEARS FROM THE DATE OF ISSUE)

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

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

PRODUCT NAME	DEOX R43 Premium EP Red Lithium Complex Grease		
PART NUMBER	CT-R43	PRODUCT TYPE	Grease
PRODUCT USE	Mechanical lubrication		
CREATION DATE	December 2014	LATEST REVISION DATE	Refer to date of issue above

### SECTION 2: HAZARDS IDENTIFICATION

Statement of Hazardous Nature	This product is NOT HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).
SUSMP Classification	Not scheduled.
ADG Classification	None allocated. NOT A DANGEROUS GOOD according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).
UN Number	None allocated.
GHS Signal Word	None allocated.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Chemical Entity	Formula	CAS Number	Proportion
Zinc Dialkyldithiophosphate	No Data Available	68649-42-3	> 1.5%
Blend of mineral oils	No Data Available	64742-54-7	No Data Available
Blend of mineral oils	No Data Available	64742-52-5	No Data Available

### SECTION 4: FIRST AID MEASURES

#### Description of necessary measures according to routes of exposure:

If Swallowed	Do NOT induce vomiting. Obtain medical attention immediately.
If In Eyes	Wash out eye/s with plenty of water for at least 15 minutes. Obtain medical attention if soreness or redness persists.
If On Skin	Wash skin with soap and water. If grease has been injected under the skin, seek medical advice immediately.
If Inhaled	Move affected person to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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Advice to Doctor  
Medical Conditions Aggravated  
by Exposure

No Data Available.  
No Data Available.

### SECTION 5: FIRE FIGHTING MEASURES

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	No Data Available.
Extinguishing Media	Use water spray to cool containers. Use foam, dry chemical, carbon dioxide, or suitable extinguishing media.
Hazardous Products of Combustion	This product may give rise to hazardous fumes in a fire.
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains, or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves).
Flash Point	> 200°C
Lower Explosion Limit	No Data Available.
Upper Explosion Limit	No Data Available.
Auto Ignition Temperature	No Data Available.
Hazchem Code	No Data Available.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

General Response Procedure	Avoid accidents, clean up immediately. May be slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.
Clean Up Procedures	Contain and neutralise with Bicarbonate of Soda or limestone, then sweep/shovel up spills with dust binding material, or use an industrial vacuum cleaner. Transfer to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste.
Containment	Stop leak if safe to do so. Isolate the danger area.
Environmental Precautionary Measures	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	Personnel involved in the clean up should wear full protective clothing as listed in Section 8.

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### SECTION 7: HANDLING AND STORAGE

Handling	Avoid direct contact with the substance. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin, and clothing. Do not inhale product dust/fumes.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in Section 10. Protect from direct sunlight, moisture, and static discharges. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.
Containment	Store in original packaging as approved by manufacturer.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No exposure standard has been established for this product by Safe Work Australia (SWA). However, the exposure standard for dust not otherwise specified is 10mg/m <sup>3</sup> (for inspirable dust) and 3mg/m <sup>3</sup> (for respirable dust).
Exposure Limits	No Data Available.
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the containment at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
Personal Protection Equipment	RESPIRATOR: Wear a P1 or P2 particulate respirator when handling this product (AS1715/1716) EYES: Safety glasses with side shields (AS1336/1337) HANDS: Neoprene gloves (AS2161) CLOTHING: Long-sleeved protective coveralls and safety footwear (AS3765/2210)
Work Hygienic Practices	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking, and using the toilet. Do not eat, drink, or smoke when using this product.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Smooth Grease
Odour	Odourless
Colour	Red

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pH	No Data Available.
Vapour Pressure	No Data Available.
Relative Vapour Density	No Data Available.
Boiling Point	No Data Available.
Melting Point	> 200°C
Freezing Point	No Data Available.
Solubility	Soluble in oil – Insoluble in water.
Specific Gravity	No Data Available.
Flash Point	> 200°C
Auto Ignition Temperature	> 200°C
Evaporation Rate	No Data Available.
Bulk Density	No Data Available.
Corrosion Rate	No Data Available.
Decomposition Temperature	No Data Available.
Density	0.82 – 0.85mg/l Relative
Specific Heat	No Data Available.
Molecular Weight	No Data Available.
Net Propellant Weight	No Data Available.
Octanol Water Coefficient	No Data Available.
Particle Size	No Data Available.
Partition Coefficient	No Data Available.
Saturated Vapour Concentration	No Data Available.
Vapour Temperature	No Data Available.
Viscosity	No Data Available.
Volatile Percent	No Data Available.
VOC Volume	No Data Available.
Additional Characteristics	No Data Available.
Potential for Dust Explosion	No Data Available.
Fast or Intensely Burning Characteristics	No Data Available.
Flame Propagation or Burning Rate of Solid Materials	No Data Available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available.
Properties That May Initiate or Contribute to a Fire	No Data Available.
Reactions That Release Gases or Vapours	No Data Available.
Release of Invisible Flammable Vapours and Gases	No Data Available.

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### SECTION 10: STABILITY AND REACTIVITY

General Information	There are no known reactivity hazards associated with this product.
Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, carbon dioxide, and carbon monoxide.
Hazardous Polymerisation	No Data Available.

### SECTION 11: TOXICOLOGICAL INFORMATION

General Information	No toxic components. No evidence of sensitisation. Non-irritating to skin/eye/respiratory tract.
Carcinogen Category	No Data Available.

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No Data Available.
Persistence/Degradability	Only slightly biodegradable.
Mobility	Non-volatile. The product is poorly absorbed onto soils or sediments.
Environmental Fate	Do NOT let product reach waterways, drains, and sewers.
Bioaccumulation Potential	Product is not expected to bioaccumulate.
Environmental Impact	No Data Available.

### SECTION 13: DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state, and federal regulations. All empty packaging should be disposed of in accordance with local, state, and federal regulations or recycled/reconditioned at an approved facility.
Special Precautions for Landfill	Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations. This material may be suitable for approved landfill.

### SECTION 14: TRANSPORT INFORMATION

Land Transport (Australia)	ADG Code
Proper Shipping Name	DEOX R43 Premium EP Red Lithium Complex Grease
Class	No Data Available.
Subsidiary Risk/s	No Data Available.

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UN Number	No Data Available.
Hazchem	No Data Available.
Packing Group	No Data Available.
Special Provision	No Data Available.

Sea Transport	IMDG Code
Proper Shipping Name	DEOX R43 Premium EP Red Lithium Complex Grease
Class	No Data Available.
Subsidiary Risk/s	No Data Available.
UN Number	No Data Available.
Hazchem	No Data Available.
Packing Group	No Data Available.
Special Provision	No Data Available.
EMS	No Data Available.
Marine Pollutant	No.

Air Transport	IATA DGR
Proper Shipping Name	DEOX R43 Premium EP Red Lithium Complex Grease
Class	No Data Available.
Subsidiary Risk/s	No Data Available.
UN Number	No Data Available.
Hazchem	No Data Available.
Packing Group	No Data Available.
Special Provision	No Data Available.

**Dangerous Goods Classification:** NOT a Dangerous Good according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

### SECTION 15: REGULATORY INFORMATION

General Information	No Data Available.
Poisons Schedule (Australia)	Not scheduled.

#### National/Regional Inventories:

Australia	Listed
Canada (DSL)	Not Determined.
Canada (NDSL)	Not Determined.
China (IECSC)	Not Determined.
Europe (EINECS)	Not Determined.
Europe (REACH)	Not Determined.

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Japan (ENCS/METI)	Not Determined.
Korea (KECI)	Not Determined.
Malaysia (EHS Register)	Not Determined.
New Zealand (NZIoC)	Listed.
Philippines (PICCS)	Not Determined.
Switzerland (Giftliste 1)	Not Determined.
Switzerland (Inventory of Notified Substances)	Not Determined.
Taiwan (NCSR)	Not Determined.
USA (TSCA)	Not Determined.

### SECTION 16: OTHER INFORMATION

#### KEY/LEGEND

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
atm	Atmosphere
CAS	Chemical Abstracts Service (Registry Number)
cm <sup>2</sup>	Square Centimetres
CO <sub>2</sub>	Carbon Dioxide
COD	Chemical Oxygen Demand
°C	Degrees Celsius
EPA (New Zealand)	Environmental Protection Authority of New Zealand
°F	Degrees Fahrenheit
g	Grams
g/cm <sup>3</sup>	Grams per Cubic Centimetre
g/l	Grams per Litre
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
Immiscible	Liquids are insoluble in each other
inHg	Inch of Mercury
inH <sub>2</sub> O	Inch of Water
K	Kelvin
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per Cubic Metre
lb	Pound
LC50	LC stands for Lethal Concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L	Litre

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m <sup>3</sup>	Cubic Metre
mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 Hours
mg/kg	Milligrams per Kilogram
mg/m <sup>3</sup>	Milligrams per Cubic Metre
Misc or Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm	Millimetre
mmH <sub>2</sub> O	Millimetres of Water
mPa.s	Millipascals per Second
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organisation for Economic Co-operation and Development
Oz	Ounce
PEL	Permissible Exposure Limit
Pa	Pascal
Ppb	Parts per Billion
ppm/2H	Parts per Million per 2 Hours
Psi	Pounds per Square Inch
R	Rankine
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	Tonne
TWA	Time Weighted Average
ug/24H	Micrograms per 24 Hours
UN	United Nations
wt	Weight

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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