



# TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

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

Issued: May 2018

## DEOX R41 High Grade Blue Lithium Complex Grease

### PART NUMBER

CT-R41-450G

### AVAILABLE SIZE

450g Cartridge

### PRODUCT DESCRIPTION

Chemtools® DEOX R41 High Grade Blue Lithium Complex Grease is a premium industrial grease with excellent mechanical stability, oxidation resistance, and anti-wear characteristics. It is resistant to heat, moisture, and most chemicals, and is formulated for use under tough, wet, and hot conditions and environments.

As a general purpose tacky grease, R41 provides long-lasting corrosion protection, extending the service life of machinery, equipment, and moving parts, and offering continuously high performance. It is commonly used in the automotive, farming, mining, railway, and marine industries.

Blue Lithium Complex Grease is ideal for application on disc brakes, open gears, fifth wheels, wheel bearings, U-joints and ball joints, chains, wire ropes, cables, hitches, winches, and much more.

### DIRECTIONS (READ LABEL BEFORE USE)

Ensure all surfaces and components are clean and free of dirt, contaminants, and old grease prior to application.

For optimal performance, apply a liberal coating to fixtures, fasteners, pipes, nuts, screws, bolts, slides, and other metal and moving parts.

Ensure good coverage.

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### TECHNICAL DATA

#### TYPICAL SPECIFICATION

Colour:	Blue
Texture:	Tacky
Thickener Type:	Lithium Complex
NLGI Grade:	#2
Molybdenum Disulphide	3 Min.
Worked Penetration, 60 Strokes (ASTM D-217):	265 - 295
Dropping Point (ASTM D-2265):	260°C Min.
Rust Prevention (ASTM D-1743):	Pass
Copper Corrosion (ASTM D-4048):	1B.
Four Ball Wear Test, Scar Diameter (ASTM D-2266):	0.5 mm
Four Ball E.P. Test (ASTM D-2596) Weld Point:	315 Kg Min.
Four Ball Load Wear Index (ASTM D-2596):	45 Kg
Water Washout (ASTM D-1264):	5% Loss Max.
Wheel Bearing Leakage (ASTM D-4290):	6gm Loss
Oxidation Stability (ASTM D-942):	5 psi Drop
Oil Separation (ASTM D-2509):	60 lb
Shelf Life:	3 years (dependent upon storage conditions)

#### BASE FLUID PROPERTIES

Base Oil Characteristics:

Viscosity* @ 40°C, cSt	180 – 240
Viscosity* @ 100°C, cSt	16.5 – 19
Viscosity* Index	90

\* listed without polymer

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### FIRST AID & SAFETY PRECAUTIONS

Please refer to Safety Data Sheet (SDS) before use. Use with adequate ventilation and avoid breathing fumes. Avoid contact with eyes and skin. This product is capable of producing adverse health conditions, ranging from minor skin irritation to serious systemic effects. It should not be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheet (SDS) for this product have been fully understood by all persons who will work with the material.

### STORAGE

Keep out of reach of children. Store in a sealed container in a cool, dry place (between 5°C - 40°C).

Do not return any unused material to its original container.

### DISCLAIMER

Chemtools® has made every effort to ensure the information provided in this Technical Data Sheet is accurate at the time of publication. Chemtools® expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.

### FURTHER INFORMATION

Please visit Chemtools® online at [www.chemtools.com.au](http://www.chemtools.com.au) for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.

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