



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 R43 Premium EP Red Lithium Complex Grease

PART NUMBER

CT-R43-450G

AVAILABLE SIZE

450g Cartridge

PRODUCT DESCRIPTION

Chemtools® DEOX R43 Premium EP Red Lithium Complex Grease is formulated to provide high grade lubricating qualities over a wide range of extreme pressure environments. It works excessively well in operating temperatures between 5°C and 250°C, and its combination of polymers/tackifiers and base oils ensure that it will always stay where applied – even in less desirable conditions, including mud, water, and dirt.

R43 offers excellent long-lasting corrosion and anti-wear protection, reducing friction and extending the service life of moving parts. It is commonly used in the automotive industry, and for equipment and machinery working in harsh outdoor climates, such as construction and roadwork sites, mining, farming, railway, and marine.

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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TYPICAL SPECIFICATION

Colour:	Red
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):	350°C Min.
Rust Test, Bearing Corrosion (ASTM D-1743):	Pass
Copper Strip Corrosion (ASTM D-2509)	1B Max.
Four Ball Wear Test, Scar Diameter (ASTM D-2266):	0.5 mm
Four Ball E.P. Test (ASTM D-2596) Weld Point:	400 Kg Min.
Water Washout (ASTM D-1264):	5% Loss Max.
Timken OK Load LB (ASTM D-2509):	55 Min.
Shelf Life:	3 years (dependent upon storage conditions)

BASE FLUID PROPERTIES

Base Fluid Type: Petroleum Mineral Oil

Viscosity* @ 40°C, cSt	390 – 450
Viscosity* @ 100°C, cSt	26 – 28.5
Viscosity* Index	84 Min.

* 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 for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.