



# 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 R42 Molytack Grease

### PART NUMBER

CT-R42-450G

### AVAILABLE SIZE

450g Cartridge

### PRODUCT DESCRIPTION

Chemtools® DEOX R42 Molytack Grease is a premium, lithium complex thickened grease formulated for a wide variety of applications. It offers long-lasting corrosion protection for metal and moving parts under extreme temperature and pressure conditions, or in the presence of water.

Molytack Grease is blended with special fluids for high film strength and advanced performance, and is fortified with molybdenum disulphide for exceptional load carrying capacity in multiple industrial environments. It has a high dropping point and contains a unique blend of anti-wear and rust inhibitors, as well as functional polymers for better adhesion.

### 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:	Grey
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 Test, Bearing Corrosion (ASTM D-1743):	Pass
Copper Strip Corrosion (ASTM D-2509)	1B Max.
Four Ball Wear Test, Scar Diameter (ASTM D-2266):	0.50 mm
Four Ball E.P. Test (ASTM D-2596) Weld Point:	400 Kg Min.
LWI	70
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, SUS	1,715 – 1,85
Viscosity* @ 100°C, SUS	110 - 122
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](http://www.chemtools.com.au) for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.