



# TECHNICAL DATA SHEET

## A NEW FORCE IN CHEMICAL MANUFACTURING

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

Issued: November 2021

## DEOX R45 Premium Non-Melt Grease

PART NUMBER	AVAILABLE SIZE
CT-R45-50G	50g Tube
CT-R45-450G	450g Cartridge
CT-R45-2.5KG	2.5Kg

### PRODUCT DESCRIPTION

Chemtools® DEOX R45 Premium Non-Melt Grease is an advanced, high temperature bentonite-based formula with excellent resistance to water wash-out. It is highly recommended for anti-friction bearings, offering long-lasting corrosion and anti-wear protection to reduce friction and extend the service life of moving parts.

DEOX R45 has no dropping point and can be used on overhead conveyor bearings at maximum temperatures, remaining consistently stable throughout to ensure the highest performance.

### 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.

### TECHNICAL DATA

Colour:	Amber
Texture:	Tacky
Thickener Type:	Bentonite Clay
NLGI Grade:	#2
Worked Penetration, 60 Strokes (ASTM D-217):	265 - 295
Dropping Point (ASTM D-2265):	None
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:	500 Kg Min.
Water Washout (ASTM D-1264):	5% Loss Max.
Timken OK Load LB (ASTM D-2509):	27 Min.
Shelf Life:	3 years (dependent upon storage conditions)



# TECHNICAL DATA SHEET

## A NEW FORCE IN CHEMICAL MANUFACTURING

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

### **BASE FLUID PROPERTIES**

**Base Fluid Type:** Petroleum Mineral Oil

Viscosity* @ 40°C, cSt	550
Viscosity* @ 100°C, cSt	32
Viscosity* Index	95 Min.

\* listed without polymer

### **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.