



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

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

Issued: February 2019

R14 Silicone Dielectric Grease

PART NUMBER	AVAILABLE SIZE
CT-R14-50G	50g Tube
CT-R14-200G	200g Tube
CT-R14-400	400g Aerosol
CT-R14-1KG	1Kg Tub

PRODUCT DESCRIPTION

Chemtools® Silicone Dielectric Grease offers excellent dielectric properties with extreme high and low temperature capabilities, water resiliency, and oxidation resistance. It has a high drop point, is non-solidifying, and remains tacky upon application.

R14 reduces friction, protects from corrosion, and can be used as a long-term lubricant for plastics and rubbers. It is an excellent moisture barrier or seal, and works well as a mould release agent.

R14 is highly recommended for:

- Reducing friction between plastics and rubbers, increasing the life of vacuum seals, o-rings, belts, and non metal-to-metal moving components with regular use
- Maintenance of heavy machinery, such as farming and mining equipment, protecting parts from wear and corrosion
- Shielding from moisture and creating a rust-proof barrier or seal
- Lubricating taps and valves
- Waterproofing high voltage insulators and electrical wiring

Note: R14 Silicone Dielectric Grease is not formulated for metal to metal load bearing lubrications.



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

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

TECHNICAL DATA

Appearance:	Smooth, Translucent Paste
Silicone Type:	Dimethylpolysiloxane
Acidity/Basicity:	Neutral
Consistency Work Penetration (@25°C):	350 – 440
Specific Gravity:	1.02
Temperature Range:	-40°C to +205°C
Drop Point:	> 300°C
Evaporation:	2% max.
Oil Separation, WT % (ASTM D1742):	< 1%
Bleed:	3% max
Water Washout:	0.50
Thermal Conductivity:	0.11
Dielectric Constant:	3.2
Dielectric Strength volts/mil:	710
Volume Resistivity:	1 x 10 ¹²
Shelf Life:	2 years after date of manufacture



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

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

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. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Containers must be secured and stored upright during transit.

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.