

Technical Data Sheet

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Safety Data Sheets, product photos, and other information can be obtained by visiting www.chemtools.com.au



Thermalle™ VACUSEAL Silicone-Free High Vacuum Grease

PART NUMBER	AVAILABLE SIZE*
CT-TM011-50T	50g Tube
CT-TM011-250G	250g Tub

*Available colours and/or sizes may change without notice.

DESCRIPTION

Thermalle™ VACUSEAL Silicone-Free High Vacuum Grease is a high-quality, non-toxic lubricant formulated specifically for use in vacuum systems. It is a good general purpose hydrocarbon grease that contains microparticles of PTFE and is compatible with most metal, plastic, and elastomer system components, being free of silicone, halogens, and heavy metals.

VACUSEAL provides needed lubrication and sealing of o-rings, gaskets, and valves, and is resistant to oxidation and thermal degradation at temperatures below 30°C.

Note: Due to its hydrocarbon content, VACUSEAL is not compatible with rubber, PVC, EPDM, and EPR seals.

VACUSEAL is NOT recommended for any product that may warm to or exceed 30°C

For applications with higher temperatures, it is recommended to use VACUSEAL PLUS, a silicone-based high vacuum grease for temperatures up to 260°C (Part No. CT-TM012 – Available in all sizes mentioned above).

APPLICATION

Ensure all surfaces and components are dry and free of all contaminants and old grease prior to application.

Apply by brush, spatula or syringe with good coverage and an even distribution.

Application is recommended in thin cross-sectional thicknesses down to 1mm.

TECHNICAL DATA

Appearance	Translucent white
Specific Gravity at 30°C	0.89
Melting Point	38 °C – 60°C
Flash Point	> 200°C
Kinematic Viscosity at 20°C:	755 cP
Thermal Conductivity w/m/°C:	0.2
Electrical strength, V/mil (0."001)	730
Outgassing Characteristics (ASTM.E 595-90 TML/)	<1%
Shelf Life	> 2 years when stored under recommended conditions

FIRST AID & SAFETY PRECAUTIONS

Always refer to Safety Data Sheet/s before use. Use proper Personal Protection Equipment. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Avoid breathing fumes. Keep away from heat, sparks, open flames, and hot surfaces. This product may produce 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/s for this product have been fully understood by all persons who will work with the material.

STORAGE & TRANSPORT

Refer to Safety Data Sheet/s for recommendations. As a general precaution, keep containers tightly closed, protect from sunlight, and do not expose to temperatures exceeding 50°C. Store in a cool, dry place, away from sources of heat and ignition. Do not return any unused material to its original container. Containers should be secured and stored upright during transit.

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DISCLAIMER

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