

GREASIL 4000

Silicone Assembly Grease

Product Code: 174915

DESCRIPTION

GREASIL 4000 is a water repellent, non-melting silicone grease lubricant and release agent. During assembly operations, it lubricates seals and packers for insertion into hydraulic systems, pipework & components. It can also protect porous metal or ceramic coated components exposed to sea spray and rain.

GREASIL 4000 has no effect on plastics, elastomers or metals, it is used for O-ring lubrication in pneumatics, compressed air systems, and potable & effluent water systems. It has broad operational temperature range, from -50°C (-58°F) to 280°C (536°F) and is used in applications subject to extremes of temperature (e.g. centrifuge/autoclave lid seals, cold room trolley casters, anti-spatter agents).

Silicone greases are essentially unaltered in daylight & UV light. GREASIL 4000 is inert and insoluble in OCEANIC, ERIFON and PELAGIC water based fluids.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

Features	Benefits
Silicone based	Inert towards materials and water repellent
Grease Consistency	Ideal for equipment assembly
Forms a surface barrier	Protects equipment from corrosion during assembly and storage. Protects surfaces from sea spray & rain
Non-melting	Operational temperature range from -50°C (-58°F) to 280°C (536°F)
Not soluble in water based fluids	Inert towards OCEANIC, ERIFON and PELAGIC water based fluids
Free Fluid Monitoring Program	Reliable assessment of quality



TECHNICAL DATA SHEET

PHYSICAL PROPERTIES

Property	Typical Value	Notes
Appearance	Colourless Gel	No visible particles
Specific Gravity @15.6°C	1.04	
Unworked Penetration	260	Unit = 0.1mm cone penetration, ASTM D217
Flash Point	>200°C (>392°F)	Open cup
Recommended Temperature Range	-50 to 280°C (-58 to 538°F)	
Dielectric Strength	~20kv/mm	
% Weight loss	1.2%	24h @150°C/302°F

OPERATING PARAMETERS

GREASIL 4000 is ready to use and should not be diluted prior to use.

Excess GREASIL 4000 should be wiped away.

FLUID MONITORING PROGRAM

The Fluid Monitoring Program is designed to optimise product performance and service life. Fluid Monitoring laboratories are available on every continent, for your local laboratory, please contact MacDermid Offshore Solutions.

Sample test results are accessible via our secure website (www.macdermid.com/offshore).

STORAGE INFORMATION

Containers of GREASIL 4000 should be stored in dry conditions, ideally out of direct sunlight. Normal storage temperature range is -20°C (-4°F) to 50°C (122°F).

Shelf life is 2 years from date of manufacture when sealed in the original packaging under recommended storage conditions.



SAFETY & WARNING

MacDermid Offshore Solutions recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermid Offshore Solutions.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Offshore Solutions for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

ORDER INFORMATION

Product	Code
GREASIL 4000	174915
OCEANIC ACL	174930

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Offshore Solutions

<http://www.macdermid.com/companies/macdermid-offshore-solutions>

USA / Americas	United Kingdom / EMEA	Australia/Asia Pacific
MacDermid Offshore Solutions, LTD	MacDermid Offshore Solutions, UK	MacDermid Offshore Solutions
223 N. Brockman St.	Cale Lane, New Springs	29 Dennis Street
Pasadena, TX 77506	Wigan	Campbellfield, Melbourne
USA Tel: 1.800.521.2589	WN2 1 JR	Victoria 3061
+1.713.472.5081	+44.(0).1942.501000	+61.3.9303.5150
offshore@macdermid.com	wigansales@macdermid.com	wigansales@macdermid.com

Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency directory assistance Chemtrec 1 - 800 - 424 - 9300.

DISCLAIMER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OR MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied, or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any product defective at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage or expense, direct or consequential, arising out of the inability to use the product. Notwithstanding the foregoing, if products are supplied in response to a customer request that specifies operating parameters beyond those stated above, or if products are used under conditions exceeding said parameters, the customer by acceptance or use thereof assumes all risk of product failure and of all direct, indirect and consequential damages that may result from use of the products under conditions, and agrees to exonerate, indemnify and hold harmless MacDermid Incorporated therefrom. No suggestion for product use nor anything contained herein shall be construed as a recommendation to use any product in infringement of any patent rights, and seller and manufacturer assume no responsibility or liability for any such infringement.

© Registered Trademark of Platform Specialty Products Corporation group of companies. ™ Trademark of Platform Specialty Products Corporation group of companies.
 © Platform Specialty Products Corporation and its subsidiaries 2016.

