DESCRIPTION

WELL-GUARD® is a high-performance thread compound specifically designed for critical monitor well and other environmentally sensitive drilling applications requiring the use of a petroleum hydrocarbon-free product. WELL-GUARD is formulated from a synergistic blend of synthetic fluids and nonmetallic, inorganic, EP and antiwear additives. WELL-GUARD provides maximum protection against galling, seizing, and damage to threads while maintaining monitor well integrity.

WELL-GUARD is an all-weather product and is completely brushable from -10°F (-23°C) to 200°F (93°C) while retaining its buttery texture at temperatures exceeding 400°F (204°C).

- Petroleum hydrocarbon-free
- Color: Beige Paste
- Water resistant
- Biodegradable
- Hydrocarbon resistant
- Corrosion resistant
- Vegetable & synthetic base
- Nontoxic
- Chemically stable
- Pumpable

APPLICATIONS

For monitor well and other environmentally sensitive drilling applications.

PRODUCT CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickener</td>
<td>Clay &amp; Silica</td>
</tr>
<tr>
<td>Fluid Type</td>
<td>Synthetic Diester</td>
</tr>
<tr>
<td>Appearance</td>
<td>Beige Paste</td>
</tr>
<tr>
<td>Dropping Point (ASTM D-2265)</td>
<td>None</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.34</td>
</tr>
<tr>
<td>Density (lb/gal) Typical</td>
<td>11.2</td>
</tr>
<tr>
<td>Oil Separation,</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Wt.% Loss @ 212°F (100°C)</td>
<td>(FTMS 791.B M.321.2)</td>
</tr>
<tr>
<td>Penetration (ASTM D-217)</td>
<td>285 - 305</td>
</tr>
</tbody>
</table>

PACKAGING

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Container Size</th>
<th>Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>18572</td>
<td>1 Pt.</td>
<td>Jar</td>
</tr>
<tr>
<td>18523</td>
<td>1 Gal.</td>
<td>Pail</td>
</tr>
</tbody>
</table>

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship. This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

Note: Not for use with oxygen or strong oxidizers

CORPORATE LOCATIONS

Maidenhead, England

Houston, Texas–World Headquarters

Edmonton, Canada
JET-LUBE, INC.
MATERIAL SAFETY DATA SHEET

Product Name: WELL-GUARD®
Chemical Family: Synthetic based lubricating grease.
Use: Nonmetallic, non-petroleum based thread compound & sealant.

Manufacturer/Supplier: JET-LUBE, INC.
Address: 4849 Homestead Rd., Ste. #200
Houston, TX 77028 USA
Phone: 713-674-7617
Emergency Phone: 713-674-7617
Fax: 713-678-4604
Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>WT%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits of Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>79070147/8001794</td>
<td>100</td>
<td>UN</td>
<td>UN</td>
<td>STEL: UN</td>
</tr>
<tr>
<td>112945525/12003382</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>471341/9002840/13463677</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Main Hazards—Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Consult physician.

Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.


Handling: Do not allow it to enter drains (it may clog drain). Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Eye Protection: Glasses, if applied to parts in motion. Skin Protection: Protective gloves for hypersensitive persons.

Physical State: Semisolid paste
Color: Beige
Odor: Mild
pH: Neutral
Boiling Range/Point °F (°C): >600 (316)
Autoignition Temperature °F (°C): >580 (360)
Explosive Properties: LE/L: UN
UEL: UN
Evaporation Rate (Butyl Acetate): <0.01
Partition Coefficient (Log Pow): N/A
Vapor Pressure (kPa): <0.01
Percent Volatiles: N/A
Density (g/cm³): 1.34
Flammability: Not flammable at ambient temperature.


Carcinogen: NTP: No IARC: No OSHA: No
EC Classification (67/548/EEC): No LC-50: >4000mg/kg—extrapolated from component data. LD-50: N/A

Possible Effects: In extreme cases, may generate oil fraction shat could act as a marine pollutant. Potential of this occurrence is highly unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner—see Product Disposal section above. Pails with plastic liner—pail may only be in contact with standard waste disposal services, recycled or reused. Liner—see Product Disposal section above.


Emergency Phone: 713-674-7617

Signature: [Signature]
Prepared by: Donald A. Oldiges
Date Issued: September 2, 2008

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE’s knowledge. JET-LUBE does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user’s responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.