

# WELL-GUARD®

## MONITOR WELL DRILLING THREAD COMPOUND

### 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 anti-wear 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.

#### WELL-GUARD®

#### Monitoring Well Drilling Thread Compound

Is in full compliance with all current Environmental Protection Agency (EPA) specification limits as detailed in tests completed by Law Environmental National Laboratories, Kennesaw, Georgia. Test results available on request. Call JET-LUBE® Technical Services 800/JET-LUBE (538-5823).

**Note: Not for use with oxygen or strong oxidizers**

### PRODUCT CHARACTERISTICS

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

### PACKAGING

Code No.	Container Size	Container
18572	1 Pt.	Jar
18523	1 Gal.	Pail

### 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.

## CORPORATE LOCATIONS

Houston, Texas—World Headquarters

Maidenhead, England

Edmonton, Canada

JET-LUBE, INC.  
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# 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	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	79070147/8001794	100	UN	UN	STEL: UN
	112945525/12003382				
	471341/9002840/13463677				

### 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.

**Extinguishing Media:** Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist.  
**Unsuitable Extinguishing Media:** Water jet. **Protective Equipment for Fire fighting:** Self-contained breathing apparatus.

**Personal Precautions:** Wear gloves & protective overalls. **Environmental Precautions:** Nonhazardous **Spillage:** Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

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

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

**Physical State:** Semisolid paste **Color:** Beige **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** >600 (316)  
**Melting Point °F (°C):** None **Flash Point (COC) °F (°C):** >540 (282) **Autoignition Temperature °F (°C):** >580 (360)  
**Explosive Properties:** LEL: UN UEL: UN **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** N/A  
**Vapor Pressure (kPa):** <0.01 **Percent Volatiles:** Nil **Density (g/cm³):** 1.34 **Flammability:** Not flammable at ambient temperature.  
**OAR Value:** N/A **Oxidizing Properties:** None **Water Solubility:** Not soluble **Vapor Density:** >5

**Stability:** Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition & extreme temps. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, nitrogen & halocarbon fumes. Residue mainly comprised of soot & mineral oxides.

**Acute Toxicity:** Not known. **Irritancy—Skin:** Very mild. **Skin Sensitization:** Not known. **Subacute/Sub-chronic Toxicity:** Not known.  
**Genotoxicity:** None known. **Chronic Toxicity:** None known. **California Prop 65:** N/A **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 shtat 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 disposed of via standard waste disposal services, recycled or reused. **Liner—see Product Disposal section above.**

Not classified as hazardous for transport. **D.O.T.:** Nonhazardous **UN No.:** Nonhazardous **Air Transport (ICAO & IATA):** Nonhazardous  
**Sea Transport (IMO & IMDG):** Nonhazardous **Road & Rail Transport (ADR/RID):** Nonhazardous

**Labeling Information:** None needed **EC Annex 1 Classification:** Not Applicable. **R Phrases:** R22—harmful if swallowed.  
**S Phrases:** None applicable, as known. **Ozone Depleting Chemicals:** Not applicable. **TSCA:** All components are listed.  
**WHMIS (Canada):** Not controlled. **Canadian DSL:** All components listed. **40 CFR Part 372 (SARA Section 313):** N/A  
**CERCLA:** Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None **TSCA 12B Components:** None

**New Jersey Right To Know:** See Section II

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

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### LEGEND

- I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- II. COMPOSITION INFORMATION ON INGREDIENTS
- III. HAZARDS IDENTIFICATION
- IV. FIRST AID MEASURES
- V. FIRE FIGHTING MEASURES
- VI. ACCIDENTAL RELEASE MEASURES
- VII. HANDLING AND STORAGE
- VIII. EXPOSURE CONTROL/PERSONAL PROTECTION
- IX. PHYSICAL AND CHEMICAL PROPERTIES
- X. STABILITY AND REACTIVITY
- XI. TOXICOLOGICAL INFORMATION
- XII. ECOLOGICAL INFORMATION
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- XV. REGULATORY INFORMATION
- XVI. OTHER INFORMATION

### HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A

### NFPA SYMBOL

