

# KOV'R-KOTE®

**PREMIUM, NONMETALLIC THREAD COMPOUND FOR USE ON DRILL COLLARS, DRILL PIPE, TUBING, & CASING**

## DESCRIPTION

**KOV'R-KOTE®** is the next logical step for the new generation premium compounds manufactured by **JET-LUBE®**. Based on the same patented Polymer Chemistry used to develop **POW'R-KOTE®, KOV'R-KOTE** is an economical, multifunctional, nonmetallic thread compound.

High strength polymers, graphite, and other naturally-occurring, extreme-pressure, and anti-wear additives lock together under pressure to resist galling, seizure, and downhole makeup. **KOV'R-KOTE's** exceptionally high film strength (1000 kgf measured by ASTM D-2596, 4-Ball EP Test) is among the highest in the industry for nonmetallic compounds. This makes it well suited for use on drill strings in any drilling environment and for bottom hole assemblies in most drilling situations.\*

- Multifunctional (for use on both shouldered and interference threads)
- Nonmetallic
- Formulated with a patented blend of high-tech polymers, graphite and other nonmetallic additives
- Sticks to wet joints
- Aluminum-complex base for brushability and stability over a wide temperature range
- Contains additives for rust, corrosion, and oxidation protection
- Exceeds all performance specs described in API specification 5CT and set forth in API Recommended Practice 5A3
- Available in Arctic and Thermal Grades

## DESCRIPTION

**KOV'R-KOTE** is designed to work as an anti-seize compound on shouldered connections, a running and sealing compound on interference-threaded connections, and as a storage compound for all types of threaded connections.

NSF H2 Reg. #127360

\*For the most severe applications, **KOPR-KOTE®** or **POW'R-KOTE** is recommended.

## PRODUCT CHARACTERISTICS

|  |                  |
|--|------------------|
| Thickener                                  | Aluminum Complex |
| Fluid Type                                 | Petroleum        |
| Dropping Point (ASTM D-566)                | 450°F (232°C)    |
| Specific Gravity                           | 1.2              |
| Density (lb/gal)                           | 10.2             |
| Oil Separation (ASTM D-6184)               | <3.0             |
| Wt. % Loss @ 212°F (100°C)                 |                  |
| Flash Point (ASTM D-92)                    | >450°F (232°C)   |
| NLGI Grade                                 | 1                |
| Penetration @77°F (ASTM D-217)             | 310 - 340        |
| Copper Strip Corrosion (ASTM D-4048)       | 1A               |
| 4-Ball (ASTM D-2596)                       |                  |
| Weld Point, kgf                            | 1000             |
| Friction Factor (relative to API-Modified) | 1.0              |
| Friction Factor (Per API RP 7G)            | 1.0              |

## PACKAGING

| Code No. | Container Size | Shipping Wt. |
|----------|----------------|--------------|
| 13923    | 1 gal.         | 11 lb.       |
| 13913    | 2½ gal.        | 29 lb.       |
| 13915    | 5 gal.         | 54 lb.       |
| 13924    | 15 gal.        | 163 lb.      |
| 13929    | 50 gal.        | 540 lb.      |

## 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.  
4849 HOMESTEAD RD.,  
P.O. BOX 21258 (77226-1258)  
HOUSTON, TX 77028 USA

WATS: 800-538-5823  
PHONE: 713-674-7617  
FAX: 713-678-4604  
E-MAIL: sales@jetlube.com  
www.jetlube.com

OILFIELD

OILFIELD

OILFIELD

OILFIELD

OILFIELD

# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

**Product Name:** KOV'R-KOTE®  
**Chemical Family:** Petroleum based lubricating grease  
**Use:** Tool joint and drill collar compound/anti-seize (MIL-PRF-907E)/ Tubing and casing line pipe 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  |
|----------------------|--|--------|------------------------------------|-----------------------|---------------------------|
| Petroleum oil        | 64742525/64742014  | 60-100 | Oil mist<br>TWA-5mg/M <sup>3</sup> | N/A                   | STEL: 10mg/M <sup>3</sup> |
| Nonhazardous Blend   | 82980549/7620771<br>7782435/12003382<br>14807966/1317653 | 30-60  | UN                                 | >2.5mg/M <sup>3</sup> | STEL: UN                  |

### 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:** Wash out mouth immediately. 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:** Do not allow it to enter drains. **Spillage:** Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

**Handling:** No special handling precautions necessary. **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:** Opaque Black **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** >525 (274)  
**Melting Point °F (°C):** 450 (232) **Flash Point (COC) °F (°C):** 450 (232) **Autoignition Temperature °F (°C):** >500 (260)  
**Explosive Properties:** LEL: 0.9% UEL: 7% **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** N/A  
**Vapor Pressure (kPa):** <0.01 **Percent Volatiles:** Nil **Density (g/cm<sup>3</sup>):** 1.22 **Flammability:** Not flammable at ambient temperature.  
**OAR Value:** N/A **Oxidizing Properties:** None **Water Solubility:** Nil **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 & copper reactive agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. 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 **Allergens:** None known. **LC-50:** >2000mg/l—actual test data - mysidopsis bahia. **LD-50:** N/A

**Possible Effects:** In extreme cases, may generate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely.  
**Behavior:** Relatively well behaved. Bioaccumulation potential nil.  
**Environmental Fate:** Highly unlikely to cause widespread 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

**SARA 311/312:** None **CERCLA:** Nonhazardous **RCRA Hazard Class:** Nonhazardous **TSCA 12B Components:** None

SDS first issued. SDS data revised. **New Jersey Right To Know:** See Section II

**Signature:**   
**Prepared by:** Donald A. Oldiges  
**Date Issued:** October 27, 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.

| 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                                  |
| XIII.  | WASTE DISPOSAL  |
| XIV.   | TRANSPORT INFORMATION                                   |
| XV.    | REGULATORY INFORMATION                                  |
| XVI.   | OTHER INFORMATION                                       |

### HMIS SYMBOL

|              |   |
|--------------|---|
| HEALTH       | 1 |
| FLAMMABILITY | 1 |
| REACTIVITY   | 0 |
| PPI          | B |

### NFPA SYMBOL

