

OG-H™ OPEN GEAR LUBRICANT

DESCRIPTION

JET-LUBE's OG-H™ Open Gear Lubricant is made of highly refined mineral oils, a non-soap thickener, low friction molybdenum disulfide (MoS₂) and graphite, rust and corrosion inhibitors, and extreme pressure additives. **OG-H** has excellent "stay put" qualities, will not melt or throw off, and is ideal for use at high temperatures where other lubricants become runny or drip off. Being relatively temperature insensitive, **OG-H** can be used at low temperatures without chipping off or channelling and is completely waterproof.

OG-H is a NLGI Grade 3 product suitable for use both indoors and outdoors under extreme weather conditions. It is very tacky with high adhesive and cohesive properties. **OG-H** replaces ordinary residual type tarry materials and is easier to apply; requiring no heating or other preparation. Far less lubricant needs to be used versus competitive products, assuring greater economy. Uniformly dispersed, low-friction ingredients give high film strength, reduced starting torques, lower operating temperatures, and lengthened equipment life. **OG-H** may be applied by hand or gun.

- Lead Free
- Easy to apply
- Highly tenacious
- Contains Molybdenum Disulfide
- Lowers operating temperatures
- Will not melt off or pound off

APPLICATIONS

EXPOSED GEARS: **OG-H** is best applied in direct ribbon on the center of a moving gear to create uniform distribution. Apply only enough to remain between the gear teeth; excessive application is wasteful and does not necessarily improve results. Molybdenum Disulfide (MoS₂) and graphite are carried into the gear faces and moving surfaces. Score marks, pits, grooves or other facial imperfections are filled forming a uniform low-friction coating. Shock and noise are reduced, uneven wear prevented. Gears assume a fresh look and an appearance of having been lapped in.

Use **OG-H** on exposed gears of all types; on steam and power winches, hoists, mill and forge equipment, construction machinery, power shovels and dredges, edger roller gears, shovel gears, dipper sticks, pulverizers, ring gears, cams, slipper shoes, rack and pinion, herringbone, bull gears, bridge and lock gearing and may other applications.

SLOW-MOVING BEARINGS: Use wherever high unit pressures occur in slow-moving equipment. Prevents squeeze-out, stick-slip and drag. Lowers starting torques and excessive power requirements of prime movers.

OTHER: **OG-H** is used as a multipurpose lubricant on enclosed chain, wire rope and cable, ways, vertical columns, elevator tracks, journals, and sleeve bearings - any points subject to high unit pressure in slow-moving, mating members. It has also been utilized successfully as a ship-launching grease.

OPERATING TEMPERATURES

0°F (-18°C) to 550°F (288°C)

Color: Black

PRODUCT CHARACTERISTICS

| | |
|--------------------------------------|--|
| Thickener | Organo Clay |
| Fluid Type | Lube Oil |
| Color/Appearance | Black, Sticky Paste |
| Dropping Point (ASTM D-566) | None |
| Specific Gravity | 1.0 |
| Density (lbs/gal) | 8.35 |
| Additive Type | MoS ₂ , Organic EP/AW, Graphite |
| Sliding Friction Coefficient | 0.07 |
| Flash Point (ASTM D-92) | >560°F (293°C) |
| Autoignition Point (Calculated) | >680°F (360°C) |
| NLGI Grade | 3 |
| Penetration @ 77°F (ASTM D-217) | 285 - 315 mm x 10 ¹ |
| Copper Strip Corrosion (ASTM D-4048) | 1A |
| Shell 4-Ball (ASTM D-2596) | |
| Weld Point, kfg | 620 |
| Load Wear Index | >60 |
| Wear Scar Diameter (ASTM D-2266) | 0.7 |
| Oxidation Resistance (ASTM D-942) | |
| PSI Drop Point, 100 hrs. | <10 psi |
| Base Oil Viscosity (ASTM D-445) | |
| cSt @ 40°C | 414 - 506 |

PACKAGING

| Code No. | Container Size | Container |
|----------|----------------|-----------|
| 26050 | 14 oz. | Cartridge |
| 26016 | 35 lb. | Pail |
| 26029 | 400 lb. | Drum |

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

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

INDUSTRIAL

INDUSTRIAL

INDUSTRIAL

INDUSTRIAL

INDUSTRIAL

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: **OG-H™**
Chemical Family: Petroleum based lubricating grease
Use: Gear and slide lubrication

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 | 64742014/64742627 | 60-100 | Oil Mist TWA-5mg/M ³ | N/A | STEL: 10mg/M ³ |
| Nonhazardous Blend | 7782425/1317335 68953582/9003296 | 20-40 | UN | UN | 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: Semi-solid paste **Color:** Opaque Black **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** >700 (371)

Melting Point °F (°C): N/A **Flash Point (COC) °F (°C):** >560 (293) **Autoignition Temperature °F (°C):** >680 (360)

Explosive Properties: LEL: 0.9% UEL: 7% **Evaporation Rate (Butyl Acetate):** <0.01

Partition Coefficient (Log Pow): N/A **Vapor Density:** >5 **Vapor Pressure (kPa):** <0.01

Percent Volatiles: Nil **Density (g/cm³):** 1.00 **Flammability:** Not flammable at ambient temperature

OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** Nil

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 and sulfur. Residue mainly comprised of soot and 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 **OSHA:** No

EC Classification (67/548/EEC): No **Allergens:** None known. **LC-50:** >2000mg/kg—extrapolated from component data. **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:** Due to its fluid nature and specific gravity, this product will float and spread across water making it a nuisance contaminant. It's not thought to be toxic 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.

D.O.T.: Nonhazardous **UN No.:** Nonhazardous

Road & Rail Transport (ADR/RID): Nonhazardous

Air Transport (ICAO & IATA): Nonhazardous

Sea Transport (IMO & IMDG): Nonhazardous

Labeling Information: None needed **EC Annex 1 Class:** N/A **Ozone Depleting Chemicals:** Not applicable.

R Phrases: R-22 harmful if swallowed (could block passages) **S Phrases:** N/A, as known.

TSCA: All components are listed. **WHMIS (Canada):** N/A

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

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

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 | 4 |
| REACTIVITY | 0 |
| PPI | G |

NFPA SYMBOL



Signature: 
Prepared by: Donald A. Oldiges
Date Issued: August 7, 2006

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.