

# EP BEARING GREASE™

Industrial-grade, extreme-pressure, multipurpose grease

## DESCRIPTION

**EP BEARING GREASE™** is an all-purpose lithium grease containing naturally-occurring extreme-pressure and boundary lubricants. The additive package enhances the shear stability, lubrication properties and high temperature characteristics of lithium-based grease, making **EP BEARING GREASE** a versatile, cost-efficient, multipurpose grease. The extreme pressure additive has the added benefit of reducing acidity created by oxidation of the base fluid and organic additives in high-temperature environments. The result is a stable, high-temperature grease that will outperform most lithium-based greases on the market today.

**EP BEARING GREASE** is water resistant, highly tenacious, and has excellent resistance to the effects of salt spray, heat, water, oxidation, high loads and other adverse conditions common to industrial usage. This product will lower maintenance costs and simplify inventory while providing excellent all-around performance.

- Operating range from -0°F (-18°C) to 325°F (163°C)
- Superior rust and corrosion protection for maximum service life under harsh conditions
- Dropping point 390°F (199°C)
- Natural additives for resistance to extreme pressure
- Lithium 12-hydroxystearate base
- Color—Purple
- Highly adhesive to metal
- Industrial Grade

## APPLICATIONS

Specially formulated for use on roller bearings, anti-friction bearings, journals, and is particularly useful where a single, multipurpose product is desirable. **EP BEARING GREASE** has a multitude of applications in industrial, automotive, mining, construction or anywhere an exceptionally high-quality, multipurpose lubricant is required.

## PRODUCT CHARACTERISTICS

|                                      |                 |
|--------------------------------------|-----------------|
| Thickener                            | Lithium         |
| Fluid Type                           | Lubricating Oil |
| Color                                | Purple          |
| Dropping Point (ASTM D-566)          | 390°F (199°C)   |
| Specific Gravity                     | 0.95            |
| Density (lb/gal)                     | 8.0             |
| Additive Type                        | EP/AW, R&O      |
| Flash Point (ASTM D-92)              | >430°F (221°C)  |
| Autoignition Point (CALCULATED)      | >500°F (260°C)  |
| NLGI Grade                           | 2               |
| Penetration @77°F (ASTM D-217)       | 265-295         |
| Copper Strip Corrosion (ASTM D-4048) | 1B              |
| Shell 4-Ball (ASTM D-2596)           |                 |
| Weld Point, kgf                      | 315             |
| Load Wear Index                      | 38              |
| Wear Scar Diameter (ASTM D-2266)     | 0.7             |
| Oxidation Resistance (ASTM D-942)    |                 |
| PSI Drop, 100 hours                  | <5.0            |
| Base Oil Viscosity (ASTM D-445)      |                 |
| cSt @ 40°C                           | 200 typical     |

## PACKAGING

| Code No. | Container Size | Container |
|----------|----------------|-----------|
| 30350    | 14 oz.         | Cartridge |
| 30316    | 35 lb.         | Pail      |
| 30324    | 120 lb.        | Drum      |
| 30329    | 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

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# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

**Product Name:** EP BEARING GREASE™  
**Chemical Family:** Petroleum based lubricating grease  
**Use:** Equipment 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        | 64742525/64742014           | 60-100 Max     | Oil mist<br>TWA-5mg/M <sup>3</sup> | N/A       | STEL: 10mg/M <sup>3</sup> |
| Nonhazardous Blend   | 68411461<br>1317653/7620771 | 3 Max<br>10-20 | UN<br>UN                           | UN<br>UN  | UN<br>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:** Purple **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** >600 (316)  
**Melting Point °F (°C):** 392 (200) typical **Flash Point (COC) °F (°C):** 430 (221) **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>):** 0.96 **Flammability:** Not flammable at ambient temperature.  
**OAR Value:** N/A **Oxidizing Properties:** None **Water Solubility:** Slight, not readily soluble **Vapor Density:** >5

**Stability:** Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition & extreme temperatures. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing 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/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:** 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

**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 | 1   |
| REACTIVITY   | 0   |
| PPI          | N/A |

### NFPA SYMBOL



**Signature:**   
**Prepared by:** Donald A. Oldiges  
**Date Issued:** June 29, 2006

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