

JET-PLEX-EP™

LITHIUM COMPLEX GREASE

DESCRIPTION

JET-PLEX-EP™ Lithium Complex Grease is the ideal multipurpose grease for use in extreme pressure and high temperature operating conditions. It is the top of the line product for severe applications and general purpose lubricant.

JET-PLEX-EP is manufactured from carefully selected petroleum oils and lithium complex soap to create a multipurpose grease with a dropping point of 550°F (288°C). It has a smooth texture with a heavy body consistency, but provides good pumpability in both hot and cold operating temperatures. **JET-PLEX-EP** has excellent resistance to water and water washout problems. Oil separation is minimal even under extreme pressure. Heat cycling produces only a minor change in consistency. **JET-PLEX-EP** is formulated with special lubricity, anti-wear, and extreme pressure additives and fortified with rust, corrosion and oxidation inhibitors.

- Lithium complex base
- Excellent for high temperatures, high load applications--will not run or pound out
- Pumpable both hot or cold
- Extremely resistant to rust and oxidation
- Smooth in texture
- Color--Red typical
- Available in NLGI "1" and "2" grades

APPLICATIONS

JET-PLEX-EP is recommended for all types of bearing and sliding applications, for shock-loading, pounding, rough chassis usage and high loads. **JET-PLEX-EP** is the multipurpose lubricant that can replace several conventional type greases, resulting in smaller required inventories and less chance of misapplication.

PRODUCT CHARACTERISTICS

Thickener	Lithium Complex
Fluid Type	Petroleum Oil
Color/Appearance	Red
Dropping Point (ASTM D-2265)	>550°F (288°C)
Specific Gravity	0.91
Density (lbs./gal.)	7.6
Additive Type	Organic EP/AW & R&O
Flash Point (ASTM D-92)	>430°F (221°C)
Autoignition Point (Calculated)	>500°F (260°C)
NLGI Grades	1 & 2
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	315
Load Wear Index	38
Wear Scar Diameter (ASTM D-2266)	0.45
Oxidation Resistance (ASTM D-942)	
PSI Drop, 100 hours	<5.0
Base Oil Viscosity (ASTM D-445)	
cSt @ 40°C	140 - 200
Wheel Bearing Life Performance (ASTM D-3527)	180 hrs. typ.

PACKAGING

Code No.	Container Size	Container
31750	14 oz.	Cartridge
31705	1 lb.	Can
31706	5 lb.	Can
31716	35 lb.	Pail
31724	120 lb.	Drum
31729	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

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: JET-PLEX-EP™ Chemical Family: Lithium 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
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Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oil	64742525/64742014	60-80	Oil Mist TWA-5mg/M ³	N/A	N/A
Nonhazardous Blend	7059167/6891936 9003274/6841146 68815496	20-30			

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:** Avoid disposal into 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:** Red **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** UN
Melting Point °F (°C): N/A **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/cm³):** .91 **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 temperatures. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and 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—extrapolated from component data. **LD-50:** N/A

Possible Effects: None


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

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: July 9, 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
XIII.	WASTE DISPOSAL
XIV.	TRANSPORT INFORMATION
XV.	REGULATORY INFORMATION
XVI.	OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	B

NFPA SYMBOL

