

# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

**Product Name:** CB-2™

**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	Oil mist TWA-5mg/M <sup>3</sup>	N/A	STEL: 10mg/M <sup>3</sup>

Nonhazardous Blend

7620771/68411461

5-10

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### 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:** Amber/Brown **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>):** 0.90 **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 and 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/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

Signature: \_\_\_\_\_

Prepared by: Donald A. Oldiges

Date Issued: October 20, 2003

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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	N/A

### NFPA SYMBOL



# CB-2™

## MULTI-PURPOSE GREASE

### DESCRIPTION

**CB-2™** is an all-purpose, high temperature, lithium 12-hydroxystearate soap grease. Its buttery consistency makes it highly adhesive to metal and it has exceptional mechanical stability. **CB-2** is standard in an NLGI 2 grade grease that will accommodate nearly all requirements for a "multipurpose" grease type lubricant. It is also available in other NLGI grades making **CB-2** a truly versatile product.

**CB-2** has exceptional resistance to the effects of heat, water, oxidation and heavy loadings. It is water resistant, has a dropping point of 390°F (199°C) and contains corrosion and oxidation inhibitors. **CB-2** offers protection wherever dirt, dust, high humidity, rain and adverse temperatures are critical problems. It is an all-weather product that lubricates efficiently at temperatures as low as 0°F (-18°C). For lower temperatures, **JET-LUBE's ARCTIC™** is recommended.

**CB-2** can be used as a chassis grease for automobiles, trucks, forklifts, or all mobile machinery. Use also on springs, universal joints and water pumps.

- Protects against rust and corrosion
- Pumpable
- Highly adhesive to metal
- Resistant to heat, water, oxidation & heavy loading
- High film strength
- Color—Amber to Brown

### APPLICATIONS

**CB-2** is specifically formulated for use on fast running bearings, anti-friction bearings, journals and all general greasing where a single, multipurpose product is desired for economy, simplification of inventory and greasing equipment. **CB-2** may be used on fans, blowers, pumps, conveyor bearings, drive trains, ball bearings, journal bearings, roller bearings, screw jacks, universal joints and all other lubrication points having sliding or rolling friction that requires a multipurpose grease. This product may be used on oil drilling rigs, on construction and road building equipment, in mining and ship building activities, or wherever an exceptionally high-quality lubricant is indicated.

NOTE: For automotive, truck or trailer wheel bearing use, **JET-LUBE® ALCO-EP-73 PLUS™** is recommended.

### PRODUCT CHARACTERISTICS

Thickener	Lithium 12-hydroxy
Fluid Type	Petroleum Oil
Color	Amber to Brown
Dropping Point (ASTM D-566)	390°F (199°C)
Specific Gravity	0.90
Density (lb/gal)	7.50
Additive Type	Organic 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)	1A
Shell 4-Ball (ASTM D-2596)	
Weld Point, kgf	200
Load Wear Index	25
Wear Scar Diameter (ASTM D-2266)	0.7
Oxidation Resistance (ASTM D-942)	
PSI Drop, 100 hours	<5
Base Oil Viscosity (ASTM D-445)	
cSt @ 40°C	100-160

### PACKAGING

Code No.	Container Size	Container
31050	14 oz.	Cartridge
31005	1 lb.	Can
31006	5 lb.	Can
31016	35 lb.	Pail
31024	120 lb.	Drum
31029	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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