

#202 MOLY-LITH™

MULTI-PURPOSE GREASE WITH MoS₂

DESCRIPTION

#202 MOLY-LITH™ is a black, high temperature, Lithium 12-hydroxystearate soap grease containing microfine molybdenum disulfide (MoS₂). **#202 MOLY-LITH** has a dropping point of 390°F (199°C), is water resistant and displays excellent work stability under high loads, high speeds, shock and vibration. Sub-micron particles of Molybdenum Disulfide, blended into the superior lubricating grease base, contribute to the exceptional load carrying and low friction characteristics.

#202 MOLY-LITH is an all-weather product which lubricates efficiently at temperatures down to 0°F (-18°C). For lower temperatures, **JET-LUBE's ARCTIC™** is recommended. **#202 MOLY-LITH** has exceptional resistance to the effects of heat, water, weathering, oxidation and heavy loads. It contains rust, corrosion and oxidation inhibitors. **#202 MOLY-LITH** gives unexcelled protection wherever dirt, dust, high humidity, rain and adverse temperatures are critical problems.

- Lithium based grease
- Contains Molybdenum Disulfide (MoS₂) for friction reduction, and high load capacity.
- Superior metal adhesion
- Pumpable
- Resistant to water, heat, weathering and oxidation
- Excellent work stability
- Color-Black

APPLICATIONS

#202 MOLY-LITH is recommended for automotive and industrial applications, including all grease fittings where a semi-solid or plastic consistency grease is normally used. Also for use in grease cups, pre-sealed bearing, and for general chassis lubrication.

PRODUCT CHARACTERISTICS

Thickener	Lithium Soap
Fluid Type	Lubricating Oil
Color/Appearance	Black Paste
Dropping Point (ASTM D-566)	390°F (199°C)
Specific Gravity	0.91
Density (lb/gal)	7.6
Additive Type	EP/AW & MoS ₂
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	250
Load Wear Index	35
Wear Scar Diameter (ASTM D-2266)	0.6
Oxidation Resistance (ASTM D-942)	
PSI Drop, 100 hours	<5.0
Base Oil Viscosity (ASTM D-445)	
cSt @ 40°C	100-160

PACKAGING

Code No.	Container Size	Container
33050	14 oz.	Cartridge
33005	1 lb.	Can
33006	5 lb.	Can
33016	35 lb.	Pail
33024	120 lb.	Drum
33029	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

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: #202 MOLY-LITH™
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
I	Petroleum oil	64742525/64742014	60-100	Oil mist TWA-5mg/m ³	N/A	N/A
II	Nonhazardous Blend	7620771/9003296 1317335/68411461	10-20	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: Semisolid paste **Color:** Opaque Black **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** <600 (316)
Melting Point °F (°C): 390 (199) 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/cm³):** 0.89 **Flammability:** Not flammable at ambient temperature.
OSHA 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 **LC-50:** >2000mg/l—extrapolated from component data (Mysidopsis Bahía). **LD-50:** Not applicable

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

New Jersey Right To Know: See Section II

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: October 31, 2006

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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

