

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: JET-LUBE® SHEEN-FREE™
Chemical Family: Synthetic based lubricant
Use: Wire rope lubricant and sealant

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
Nonhazardous Blend	67746081/68187848 8001794/1338438	60-100	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: Drying Fluid **Color:** Amber/Golden **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** Won't Distill

Melting Point °F (°C): Fluid **Flash Point (COC) °F (°C):** >450 (232) **Autoignition Temperature °F (°C):** >500 (260)

Explosive Properties: LEL: UN UEL: UN **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** UN

Vapor Pressure (kPa): N/A **Percent Volatiles:** Nil **Density (g/cm³):** 0.99 **Flammability:** Not flammable at ambient temp.

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 and extreme temps. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon & nitrogen. Residue mainly comprised of soot.

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 Class (67/548/EEC):** No **Allergens:** None known.

LC-50: >4000mg/kg—extrapolated from component data

LD-50: N/A

Possible Effects: Unlikely to act as marine pollutant.

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause 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.:** N/A

Air Transport (ICAO & IATA): N/A

Sea Transport (IMO & IMDG): N/A **Road & Rail Transport (ADR/RID):** N/A

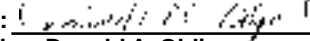
Labeling Information: None needed **EC Annex 1 Classification:** Not Applicable. **R Phrases:** R22—harmful if swallowed.

S Phrases: None applicable, as known. **Ozone Depleting Chemicals:** Not applicable. **TSCA:** All components are listed.

WHMIS (Canada): Not regulated. **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: March 6, 2001

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.

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

HMS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A

NFPA SYMBOL



JET-LUBE[®] SHEEN-FREE[™]

SHEEN-FREE WIRE ROPE PRESERVATIVE/LUBRICANT

DESCRIPTION

JET-LUBE SHEEN-FREE[™] is essential to the lubrication of wire ropes. This product not only protects the outside of the wire, but also penetrates into the inner strands to lubricate and reduce corrosion and friction. This anti-friction characteristic is the key to extending the life of the cable. **JET-LUBE SHEEN-FREE**'s protective film is a nonhazardous, biodegradable, nonsheening preservative and lubricant ideal for the marine industry. The protective film cures to a soft, flexible, tack-free film that resists the buildup of dust and dirt that cause friction and wear within the wire's core. **JET-LUBE SHEEN-FREE**'s formula was developed to reduce the potential for spontaneous combustion that is so common with the standard linseed oil based product. **JET-LUBE SHEEN-FREE** becomes nearly spontaneous combustion free. That is a real plus for safety and housekeeping. The translucent, amber color of this product reduces the housekeeping or custodial efforts over the old asphaltic, black oil type lubricants.

APPLICATIONS

JET-LUBE SHEEN-FREE is ideal for standing rigging where a water resistant coating is necessary, and for running rigging where the performance is a must. It is also recommended for bright/black wire, stainless steel and galvanized cables for mooring and lashing applications.

JET-LUBE SHEEN-FREE can be applied by swabbing, brushing or spraying the product directly onto the cable surface. It is recommended to allow the product to stand in place to form its protective surface film and completely adhere to the metal.

PRODUCT CHARACTERISTICS

- Penetrates to wire rope core to provide "inner-strand" lubricity.
- Displaces water while coating scratches and nicks.
- Forms an outer film to protect against salt water corrosion and washoff.
- Meets and exceeds USCG specifications.
- Biodegradable
- Flexible finish
- No evaporation
- Nonhazardous
- 24 Hour Cure Time

PACKAGING

Code No.	Container Size	Container
33720	5 gal.	Pail
33724	15 gal.	Drum
33729	50 gal.	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

MARINE

MARINE

MARINE

MARINE

MARINE