



WATER-BASED, SILICONE LUBRICANT

DESCRIPTION

EMS™ Water-Based, Silicone Lubricant is an emulsified, premium, multipurpose product that lubricates, water-proofs and protects while being odorless, tasteless and non-staining.

EMS stops sticking, squeaking and binding of moving parts, is an excellent release agent and ideal clear, clean lubricant. **EMS** provides a long-wearing, moisture resistant, nontoxic film that will not melt or become rancid.

Nonaerosol **EMS** contains twice the silicone content normally found in aerosol products for increased protection and performance while being ozone and environmentally safe.

- Nontoxic
- Odorless
- Tasteless
- Nonstaining
- Low Foaming
- Environmentally Safe
- Nonflammable

APPLICATIONS

Recommended for use in food processing plants on nylon guides, conveyors, and bakery, bottling, and bagging equipment. Also ideally suited as an "O" ring lubricant and as a mold release agent for plastic, rubber, and vinyl molded items.

PRODUCT CHARACTERISTICS

Appearance	White, thin liquid
Density (lb/gal), typical	8.29
Stability	Excellent
Dilution (2% solids in 300 ppm hard water for 30 days)	No Separation
Heat (50°C, 7 days)	No Separation
Freeze/Thaw (4 cycles -20°C to +20°C)	No Separation
Storage, months, min.	12

Shelf Life: Minimum two years from date of manufacture.

PACKAGING

Code No.	Container Size	Container
52543	16 oz.	Spray Bottle
52533	1 gal.	Jug
52535	5 gal.	Jug

* 2½ gallon twin pack
Drums available upon request.

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

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

I Product Name: EMS™ Chemical Family: Silicone emulsion Use: Equipment lubrication and mould release applications.	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
Nonhazardous Blend	1338438/7732185 57556/63148629	100	UN	UN	UN

II

III
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.

IV
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.

V
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.

VI
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.

VII
Handling: No special handling precautions necessary. **Storage:** Do not store at elevated temperatures.

VIII
Respiratory Protection: None needed. **Hand Protection:** Protective gloves for hypersensitive persons. **Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Overalls.

IX
Physical State: Fluid **Color:** Translucent water white **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** >212 (100)
Melting Point °F (°C): <32 (0) **Flash Point (COC) °F (°C):** None **Autoignition Temperature °F (°C):** None
Explosive Properties: LEL: N/A UEL: N/A **Evaporation Rate (Butyl Acetate):** >1 **Partition Coefficient (Log Pow):** UN
Vapor Pressure (kPa): <0.04 **Percent Volatiles:** UN **Density (g/cm³):** 1.00 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** 100% **Vapor Density:** >1

X
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 and oxides of carbon.

XI
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:** >4000mg/kg—extrapolated from component data. **LD-50:** N/A


XII
Possible Effects: None
Behavior: Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause noticeable contamination. Nontoxic to marine or land organisms.

XIII
Product Disposal: 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.

XIV
 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

XV
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

XVI
 SDS first issued. SDS data revised. **New Jersey Right To Know:** See Section II

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: October 27, 2008

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	IX. PHYSICAL AND CHEMICAL PROPERTIES
II. COMPOSITION INFORMATION ON INGREDIENTS	X. STABILITY AND REACTIVITY
III. HAZARDS IDENTIFICATION	XI. TOXICOLOGICAL INFORMATION
IV. FIRST AID MEASURES	XII. ECOLOGICAL INFORMATION
V. FIRE FIGHTING MEASURES	XIII. WASTE DISPOSAL
VI. ACCIDENTAL RELEASE MEASURES	XIV. TRANSPORT INFORMATION
VII. HANDLING AND STORAGE	XV. REGULATORY INFORMATION
VIII. EXPOSURE CONTROL/PERSONAL PROTECTION	XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PPI	0

NFPA SYMBOL

