

# ZINC DUST PETROLATUM

## Anti-Seize Compound For Aluminum & its Alloys

### DESCRIPTION

**JET-LUBE's ZINC DUST PETROLATUM ANTI-SEIZE** is manufactured to conform to the requirements of Military Specification CID (Commercial Item Description) A-A-59313. The intended use of this compound is to prevent seizing during assembly or disassembly of threaded or unthreaded components fabricated from aluminum or its alloys, engaged with components fabricated from similar or dissimilar metals. It is also intended to provide corrosion protection to the metal surfaces.

Care shall be taken against applying too heavy a coating to the components. A thin coating is all that is required to prevent seizing. In the case of blind holes, the application of an excessive amount of the compound may prevent proper seating of the components. Under low temperature conditions this compound hardens and is difficult to apply. It should be kept at room temperature for twenty-four to forty-eight hours prior to use.

Due to the high evaporation rate of the petrolatum constituent, this compound is not suitable for use on the threaded or unthreaded components of such equipment as optical instruments where the vapors may adversely effect associated components, e.g., lenses, prisms and other optical elements.

- Prevents galvanic corrosion.
- Lead Free
- Lowers friction, reduces wrench torque.
- Permits reuse of fittings, saves stud, bolt and nut replacement.
- Meets Military Specification CID A-A-59313 (formerly MIL-T-22361 (Wep))
- Water resistant.
- National Stock Number 8030-00-292-1102

### APPLICATIONS

Gaskets	Fasteners
Batteries	Lugs & Cables
Slides	Fuse Clips
Frame Bolts	Aluminum Connections
Flange Faces	Valve Stems

### PRODUCT CHARACTERISTICS

Thickener	Wax
Fluid Type	Mineral Oil
Color	Grey
Melting Point (ASTM D-127)	130°F
Specific Gravity	1.34
Density (lbs./gal.)	11.2
Additive Type (ASTM TYPE D-520)	Zinc Dust
Flash Point (ASTM D-92)	480°F (249°C)
Autoignition Point (CALCULATED)	>500°F (260°C)
NLGI Grade	2 - 3 approx.
K-Factor	
High Chrome Alloys @ 60,000 PSI Contact Stress	
Penetration @77°F (ASTM D-217)	160 - 280
Copper Strip Corrosion (ASTM D-4048)	1B
Service Range*	-65°F (-54°C) to 788°F (420°C)

\* Based upon the properties of the metallic zinc.

### PACKAGING

Code No.	Container Size	Container
27002	½ lb.	Brush Top Can
27003	1 lb.	Plug Top Can
27006	5 lb.	Pail

### 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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# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

**Product Name:** ZINC DUST PETROLATUM ANTI-SEIZE

**Chemical Family:** Mineral Oil (petrolatum) with metal filler

**Use:** Anti-gall and corrosion protection.

**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
Petrolatum (nonhazardous)	8009038	58.5	UN	UN	UN
Zinc	7440666	41.5	15mg/M <sup>3</sup>	10mg/M <sup>3</sup>	STEL: 10mg/M <sup>3</sup>

### 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 temperatures above 100°F (38°C).

**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:** Paste **Color:** Grey **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** >450 (232)

**Melting Point °F (°C):** 130 (54) **Flash Point (COC) °F (°C):** 480 (249) **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>):** 1.34 **Flammability:** Not flammable at ambient temperature.

**OSHA Value:** N/A **Oxidizing Properties:** None **Water Solubility:** Not soluble **Vapor Density:** >5

**Stability:** Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition & extreme temps. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon & zinc. Residue mainly comprised of soot and metal 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:** Unknown. **LD-50:** N/A

**Possible Effects:** Potential to act as marine pollutant is highly unlikely.

**Behavior:** Relatively well behaved. Bioaccumulation potential nil.

**Environmental Fate:** Will sink in water due to product's density. 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:** Not applicable.

**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):** Zinc

**CERCLA:** Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None **TSCA 12B Components:** Zinc

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

**Signature:**   
**Prepared by:** Donald A. Oldiges  
**Date Issued:** October 26, 2005

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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	1
PPI	NR

### NFPA SYMBOL

