

# MATERIAL SAFETY DATA SHEET

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## **SECTION 1 – PRODUCT NAME AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** Zinc Dust-Petrolatum  
Anti-Seize Thread Compound  
**Mil Spec:** A-A-59313  
**NSN** 8030-00-292-1102

**PRODUCT USE:** Prevent seizing during assembly and disassembly of threaded and unthreaded aluminum and aluminum-alloy components engaged with components of similar or dissimilar metals.

**Manufacture/Supplier:** Armite Laboratories Inc.  
**Cage Code** 84180  
**EMERGENCY:** Chem-Tel Inc. (800) 255-3924

1560 Superior Ave  
Costa Mesa, CA 92627

**Phone:** (949) 646-9035  
**Fax:** (949) 646-8319

Prepared By: Armite Laboratories  
Last Revision Date: November 27, 2007

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## **SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

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Hazardous Components (Specific)	CAS No.	OSHA PEL / ACGIH / NIOSH	% (opt.)
Petrolatum	8009-03-8	(As Oil mist if generated) 5 mg/m <sup>3</sup> TWA 10mg/m <sup>3</sup> STEL	Balance
Total Zinc Dust 99% (Metallic Zinc)96.0%Wt * (Zinc Oxide) 2-4%Wt	7440-66-6 1313-13-02	Not Established Not Established * OSHA 10mg/m <sup>3</sup> (total) & 5mg/m <sup>3</sup> (respirable) / *ACGIH 2 mg/m <sup>3</sup> (respirable fraction) TVL 10mg/m <sup>3</sup> (respirable fraction) STEL/ * NIOSH (Dust or Fume) 5mg/m <sup>3</sup>	41-43%

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## **SECTION 3 – HAZARDS IDENTIFICATION**

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**Route of Entry:** Eyes, Ingestion, Skin

**Eyes:** May cause irritation.

**Ingestion:** May cause diarrhea.

**Skin:** May cause possible rash for persons with hypersensitivity.

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## **SECTION 4 – FIRST AID MEASURES**

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**Eyes:** Flush with water until all residual material is gone. If irritation persists, seek medical help.

**Ingestion:** Wash out mouth. Do not induce vomiting. Seek medical attention.

**Skin:** Remove by wiping followed by washing with soap and water.

Always wash hands thoroughly after using chemicals; never allow food, drink or smoking around chemicals.

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## **SECTION 5 – FIRE FIGHTING MEASURES**

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**Flammability:** Not flammable at ambient temperature.

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Chemical

**Flash Point: (COC) °F (°C):** 480 (249)

**Autoignition Temperature °F (°C):** 500 (260)

**Explosive Properties:** LEL: 0.9% UEL: 7%

**Hazardous Combustion Products:** Not Available

**Special Fire Fighting Procedures:** Water should be avoided (grease product).

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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**Spillage:** Scoop up excess, wipe down affected area and pick up residue with clay, pumice, etc., to avoid walking hazard.

**Environmental Precautions:** Do not allow spillage into water ways.

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## **SECTION 7 – HANDLING AND STORAGE**

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**Handling Procedures:** No special handling precautions necessary.

**Storage Requirements:** Normal - prefer under 125<sup>0</sup>F.

**Engineering Controls:** Not available

# MATERIAL SAFETY DATA SHEET

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** None required.

**Hand Protection:** Protective gloves for hypersensitive persons.

**Eye Protection:** Protective glasses if applied to moving parts.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Dark Gray Paste	<b>Odor:</b> Light Petroleum	<b>Vapor Pressure:</b> Not Available
<b>Specific Gravity:</b> Not Available	<b>Odor Threshold:</b> Not Determined	<b>Vapor Density:</b> >5
<b>VOC:</b> 0.0 lbs/gal (as solid material)	<b>pH:</b> Neutral	<b>Solubility in Water:</b> Insoluble
<b>Boiling Point °F (°C):</b> > 400 (232)	<b>Density (g/cm<sup>3</sup>):</b> 1.35	<b>Percent Volatiles:</b> Nil
<b>Melting Point °F (°C):</b> 130 (54)	<b>Freezing Point:</b> Not available	<b>Evaporation Rate</b>
<b>Flash Point (COC) °F (°C):</b> 480 (249)	<b>Oxidizing Properties:</b> None	(Butyl Acetate <0.01)

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Chemically stable under normal conditions.

**Conditions/Materials to Avoid:** Strong organic & inorganic acids, oxidizing agents.

**Hazardous Decomposition Products:** Burning generates smoke, leaving residue of soot & metal oxides.

**Hazardous Polymerization:** Will not occur

## SECTION 11 – TOXICOLOGY INFORMATION

**Exposure Limit of Material:** See Section 2

**Teratogenicity, Embryotoxicity and/or Fetotoxicity:** Not Available    **Mutagenicity:** Not Available

**Effects of Long-Term (Chronic) Exposure:** None Known

**Carcinogenicity:** None    **NTP:** NO    **IARC:** NO    **OSHA:** NO

## SECTION 12 – ECOLOGICAL INFORMATION

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

**Behavior:** Relatively well behaved. Bio accumulation potential nil.

**Environmental Fate:** Non-Toxic to marine & land organisms.

## SECTION 13 – DISPOSAL CONSIDERATION

Consult federal, state and local regulations for disposal of petroleum products.

## SECTION 14 – TRANSPORTATION INFORMATION

Not classified as hazardous for transport. **Air Transport (ICAO & IATA) Classification:** Non-hazardous.

**DOT:** Non hazardous    **Land and Rail:** Non hazardous    **Sea Transport (IMO & IMDG):** Non hazardous

**PLACARDS:** None    **UN No.:** Non hazardous

## SECTION 15 – REGULATORY INFORMATION

**40 CFR Part 372 (SARA Section 313):** Zinc. **SARA 311/312:** None. **CERCLA:** Non-hazardous. **RCRA Hazard Class:**

Non hazardous **WHMIS (Canada):** Not Regulated. **TSCA:** All components listed. **TSCA 12B Components:** Zinc

**R Phrases:** Not applicable    **S Phrases:** Not applicable as known

## SECTION 16 – OTHER INFORMATION

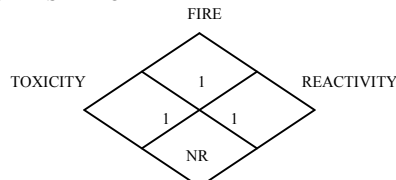
**Do not reuse containers. Keep out of each of children.**

This M.S.D.S and the information it contains is offered to you in good faith as accurate. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

HMS SYMBOL

HEALTH	1
FLAMMIBILITY	1
REACTIBILITY	1
PPI	NR

NFPA SYMBOL



PERSONAL PROTECTION INDEX