

# MATERIAL SAFETY DATA SHEET

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

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**PRODUCT NAME:** Graphite Petrolatum  
Anti Seize Thread Compound  
Meets Spec. SAE-AMS-2518  
NSN 8030-01-044-5034

**PRODUCT USE:** Use as anti seize compound on engine spark  
Plugs, fasteners, and fittings, but not limited to such use.

**Manufacture/Supplier:** Armite Laboratories Inc.  
**Cage Code** 84180      **1560 Superior Ave**      **Phone: (949) 646-9035**  
**Costa Mesa, CA 92627**      **Fax: (949) 646-8319**

**EMERGENCY:**  
**Chem-Tel Inc. (800) 255-3924**

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

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

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<b>Hazardous Components (Specific)</b>	<b>CAS Number</b>	<b>OSHA PEL</b>	<b>ACGIH TVL</b>	<b>% (opt.)</b>
<b>Non-Hazardous Blend</b>				
<b>Petrolatum</b>	<b>8009-03-8</b>	(As Oil Mist, if Generated) 5 mg/m <sup>3</sup> TWA 10mg/m <sup>3</sup> STEL		50 +/- 2
<b>Graphite</b>	<b>7782-42-5</b>	15mg/m <sup>3</sup> (Total Dust) 5mg/m <sup>3</sup> (Respirable Fraction)	2mg/m <sup>3</sup> (for all forms of graphite except graphite fibers)	48-52%

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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:** Do not induce vomiting. Wash out mouth. Contact a physician immediately.  
**Skin:** Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.

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

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**Flammability:** Not Available  
**Extinguishing Media:** Foam CO<sub>2</sub> Dry Chemical Do not use Water Jet  
**Flash Point: (COC):** 480° F (249°C )  
**Explosive Properties:** LEL:0.9% UEL: 7%  
**Hazardous Combustion Products:** Not Available  
**Special Fire Fighting Procedures:** Self contained breathing apparatus

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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:** Unavailable

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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:** None available

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Graphite Petrolatum Anti-Seize Compound (SAE-AMS-2518) Con't

## 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 Grey Paste	<b>Odor:</b> Slight 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 100% solid material)	<b>pH:</b> Neutral	<b>Water Solubility:</b> Not easily soluble
<b>Boiling Point:</b> <600° F (316°C)	<b>Density (g/cm<sup>3</sup>):</b> 1.25	<b>Percent Volatiles:</b> nil
<b>Melting Point:</b> 133°F (56°C)	<b>Evaporation Rate</b>	<b>Flammability:</b> Not flammable at ambient temperature
<b>Freezing Point:</b> Not Available	(Butyl Acetate <0.01)	

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable Chemically stable under normal conditions.  
**Conditions/Materials to Avoid:** Product contains graphite, which may promote corrosion of aluminum, magnesium, ferrous, zinc, and cadmium alloys or plated coating and should not be used with such metals.  
**Hazardous Decomposition Products:** Unknown  
**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:** **Carcinogenicity:** None    **NTP:** No    **IARC:** No    **OSHA:** No

## SECTION 12 – ECOLOGICAL INFORMATION

**Possible Effects:** May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely.  
**Behavior:** Relatively well behaved. Bio accumulation potential nil.  
**Environmental Fate:** Highly unlikely to cause widespread contamination. Non-toxic to marine or 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    **DOT:** Non hazardous    **Air Transport (ICAO & IATA)** Non hazardous  
**Sea Transport (IMO & IMDG)** Non hazardous  
**CLASS 65          UN                          PG                          PLACARDS:** None

## SECTION 15 – REGULATORY INFORMATION

40 CFR Part 372 (SARA Section 313): None    **TSCA:** Components listed    **TSCA 12 B Components:** None    **SARA 311/312:** None  
**CERLA:** Non hazardous    **RCRA Hazard Class:** Non hazardous.    **R Phrases:** R22 Harmful if swallowed.    **S Phrases:** None applicable, as known    **WHMIS:** Not Controlled    **Canadian DSL :** All components listed    **RCRA Hazard Class:** Non hazardous

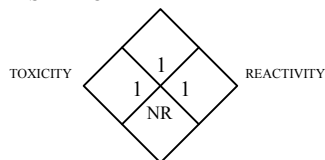
## SECTION 16 – OTHER INFORMATION

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.

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
PPI	NR

NFPA SYMBOL    FIRE



PERSONAL PROTECTION INDEX