

# MATERIAL SAFETY DATA SHEET

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

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**PRODUCT NAME:** API MODIFIED 505                      **PRODUCT USE:** Drilling Compound

**Manufacture/Supplier:** Armite Laboratories Inc.  
1560 Superior Ave  
Costa Mesa, CA 92627

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

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

**Prepared By:** Armite Laboratories  
**Last Revision Date:** January 05, 2005

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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</b>	<b>% (opt.)</b>
Petroleum Grease Vehicle – Paraffin Base	Mixture	N/A	N/A	
Petroleum Oil SAE	Not Applicable	N/A	N/A	
Petrolatum	8009-03-8	N/A	N/A	
Graphite	7782-42-5	N/A	N/A	
Zinc Dust	7440-66-6	5 mg/m <sup>3</sup>	10mg/m <sup>3</sup>	
Metallic Lead Powder	7439-92-1	0.05 Ug/m <sup>3</sup>	0.15 mg/m <sup>3</sup>	
Copper Flake	7440-50-8	N/A	N/A	

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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, 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  
**Flash Point: (COC):** 400° F  
**Explosive Properties:** Not Available  
**Hazardous Combustion Products:** Not Available  
**Special Fire Fighting Procedures:** None as Grease Product.

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## **SECTION 6 – ACCIDENTAL REALEASE 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 to enter drains.

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

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**Handling Procedures:** No special handling precautions necessary.  
**Storage Requirements:** Normal conditions. Prefer under 125<sup>0</sup>F.  
**Engineering Controls:** Not Available

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### **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Respiratory Protection:** None required.

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

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

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### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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<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> Not Determined
<b>VOC:</b> 0.0lbs/gal (as solid material)	<b>pH:</b> Not Available	<b>Solubility in Water:</b> Insoluble
<b>Boiling Point:</b> 350° F	<b>Density:</b> Not Available	
<b>Melting Point:</b> 500° F Plus	<b>Evaporation Rate</b>	
<b>Freezing Point:</b> Not Available	(Butyl Acetate + 1.0): N/A	

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### **SECTION 10 – STABILITY AND REACTIVITY**

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

**Conditions to Avoid:** Acids, Alkalis and Oxidizing Agents

**Materials to Avoid:** Strong Oxidizers can cause lead to react & liberate Hydrogen Gas.

**Hazardous Decomposition Products:** At temperatures above melting point, lead fumes may be present.

**Hazardous Polymerization:** Will not occur

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### **SECTION 11 – TOXICOLOGY INFORMATION**

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

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

**Mutagenicity:** Not Available

**Effects of Long-Term (Chronic) Exposure:** Lead - Chronic overexposure to high levels of airborne or ingested lead may result in anemia, insomnia, weakness, constipation, nausea & abdominal pain. Prolonged overexposure may result in kidney & gastrointestinal disorders, not likely with this material.

**Carcinogenicity:** None NTP: N/A IARC: N/A OSHA: N/A

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### **SECTION 12 – ECOLOGICAL INFORMATION**

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**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.

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### **SECTION 13 – DISPOSAL CONSIDERATION**

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

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### **SECTION 14 – TRANSPORTATION INFORMATION**

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**IMDG Classification:** This product is not regulated by IMDG.

**ICAO Classification:** This product is not regulated by the ICAO.

**Land and Rail:** Not Regulated

**CLASS** UN PG **PLACARDS:** None

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### **SECTION 15 – REGULATORY INFORMATION**

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Not regulated

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### **SECTION 16 – OTHER INFORMATION**

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

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