

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT NAME AND COMPANY IDENTIFICATION

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

Manufacture/Supplier: Armite Laboratories Inc.

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Costa Mesa, CA 92627

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Prepared By: Armite Laboratories

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SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific)	CAS Number.	OSHA PEL	ACGIH	% (opt.)
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 ³	10mg/m ³	
Metallic Lead Powder	7439-92-1	0.05 U _g /m ³	0.15 mg/m ³	
Copper Flake	7440-50-8	N/A	N/A	

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry: Eyes, Ingestion, Skin
Eyes: May cause irritation.
Ingestion: May cause diarrhea.
Skin: May cause possible rash for persons with hypersensitivity.

SECTION 4 – FIRST AID MEASURES

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.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability: Not Available
Extinguishing Media: Foam CO₂ Dry Chemical
Flash Point: (COC): 400° F
Explosive Properties: Not Available
Hazardous Combustion Products: Not Available
Special Fire Fighting Procedures: None as Grease Product.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures: No special handling precautions necessary.
Storage Requirements: Normal conditions. Prefer under 125⁰F.
Engineering Controls: Not Available

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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

Physical State: Dark Gray Paste	Odor: Light Petroleum	Vapor Pressure: Not Available
Specific Gravity: Not Available	Odor Threshold: Not Determined	Vapor Density: Not Determined
VOC: 0.0lbs/gal (as solid material)	pH: Not Available	Solubility in Water: Insoluble
Boiling Point: 350° F	Density: Not Available	
Melting Point: 500° F Plus	Evaporation Rate	
Freezing Point: Not Available	(Butyl Acetate + 1.0): N/A	

SECTION 10 – STABILITY AND REACTIVITY

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

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: 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

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.

SECTION 13 – DISPOSAL CONSIDERATION

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

SECTION 14 – TRANSPORTATION INFORMATION

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

SECTION 15 – REGULATORY INFORMATION

Not regulated

SECTION 16 – OTHER INFORMATION

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