

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name Heavy DC 60% Lead Base Drill Collar Compound
Product Code 306
Chemical Name Not Applicable - Mixture
CAS # Mixture

Manufacturer

South Coast Products, Inc.
 20 Southbelt Industrial Dr.
 Houston, TX 77047 USA

In Case of Emergency

Uses Thread compound

1-800-255-3924 or +813-248-0585

Section 2. Composition and Information on Hazardous Ingredients

Name	CAS #	% by Weight	OSHA PEL	ACGIH TLV
Lead powder *	7439-92-1	55-65%	0.05 mg/m3 **	0.05 mg/m3 **

* Subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.

** Respiratory hazard—material in product is mixed into a grease and is very unlikely to become airborne under normal conditions.

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under normal conditions of use, so long as recommended safety precautions are practiced.

Section 3. Hazards Identification

Eye Contact May cause tearing, redness, blurred vision, and irritation.

Skin Contact May cause drying of skin, irritation, and dermatitis.

Skin Absorption Absorption through intact skin not anticipated to be route of entry.

Inhalation Vapor pressure is very low. No significant hazard.

Ingestion May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Sensitization Not a sensitizer under normal conditions.

Chronic Effects May cause dermatitis. Overexposure to lead may cause anemia, weakness, abdominal pain, blood effects, and nerve and kidney damage.

Carcinogenic Effects Lead and lead compounds: anticipated human carcinogens by NTP; possible carcinogens by IARC.

Mutagenic Effects No data.

Teratogenic Effects Lead may cause damage to fetus.

Reproductive Effects Lead may cause reduced fertility in men and women.

Section 4. First Aid Measures

Flush eyes with clean water for at least 15 minutes. If irritation persists, call a physician.

Remove any contaminated clothing and wash skin with soap and water. If irritation occurs, call a physician.

Accidental high pressure injection under skin requires immediate medical attention.

Not applicable.

If victim is conscious, induce vomiting and give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

Section 5. Fire and Explosion Hazards

Flash Point (method) 450°F (232°C) (COC)

Auto-Ignition Temp. N/A

Flammable Limits in Air lel: N/A uel: N/A

Combustion Products Carbon monoxide, smoke, fumes.

Explosion Hazards In the presence of mechanical impact or static discharge: no explosion risk.

Fire Fighting Measures

Use foam, CO₂, dry chemical, water fog. Water can be used to keep containers cool and to flush spills away from fire exposure. Firefighters must wear self-contained breathing apparatus in enclosed areas.

Section 6. Accidental Release Measures

<u>Small Spill</u>	Recover free product. Add sand, earth, or some other suitable adsorbent. Dispose of material in accordance with all state and local regulations.	<u>Large Spill</u>	Take care to keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered sewers, watercourses, or extensive land areas.
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Section 7. Handling and Storage

<u>Storage</u>	Store in cool dry area in original or equivalent container in accordance with all applicable regulations. Do not expose to extreme heat or flame. Store below 150°F.	<u>Handling</u>	Wash thoroughly after handling. Do not get in eyes. Follow good hygiene and housekeeping practices. Use in ventilated areas.
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Section 8. Exposure Controls and Personal Protection

<u>Engineering Controls</u>	Use with adequate ventilation.	<u>Personal Protection</u>	Splash proof eye protection is advisable. Oil impervious gloves for prolonged or repeated skin contact.
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Section 9. Physical and Chemical Properties

<u>Appearance and Odor</u>	Gray, grainy semi-solid, mild odor	<u>Vapor Pressure</u>	No data
<u>pH</u>	Not applicable	<u>Vapor Density (Air=1)</u>	< 1
<u>Boiling Point</u>	No data	<u>Odor Threshold</u>	No data
<u>Melting Point</u>	No data	<u>Evaporation Rate</u>	< 1 (ether = 1)
<u>Specific Gravity (H₂O=1)</u>	2.3	<u>Solubility in Water</u>	Negligible
<u>Water/Oil Distribution Coefficient</u>	No data		

Section 10. Stability and Reactivity Data

<u>Stability</u>	Stable.	<u>Incompatibilities</u>	Strong oxidizers, acids.
<u>Conditions to Avoid</u>	Extreme heat.	<u>Hazardous Decomposition Products</u>	Carbon monoxide, smoke, fumes.

Section 11. Toxicological Information

<u>Routes of Entry</u>	Eye, skin, ingestion.
<u>Toxicological Data</u>	No data

Section 12. Ecological Information

<u>Eco toxicity</u>	No data
<u>BOD5 and COD</u>	No data
<u>Biodegradation Products and Toxicity</u>	No data

Section 13. Disposal Considerations

<u>Waste Information</u>	Dispose of waste according to federal, state, and local regulations.
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Section 14. Transport Information

<u>DOT</u>	Environmentally hazardous substance, solid, n.o.s. (contains lead), UN3077, 9, PGIII, RQ
<u>IATA, IMO</u>	Environmentally hazardous substance, solid, n.o.s. (contains lead), UN3077, 9, PGIII

Section 15. Other Regulatory Information

Hazardous Material Information System (HMIS) (USA)

Health	3*
Fire	1
Reactivity	0
Personal Protection	B

SARA Section 311/312 Hazard Classes: Lead: immediate health, delayed health.

SARA Section 313: Ingredients subject to reporting requirements: Lead, CAS# 7439-92-1.

TSCA Inventory: All ingredients are listed or exempt.

California Prop. 65: Ingredients listed: Lead (carcinogen, developmental toxicity, female reproductive toxicity, male reproductive toxicity).

Canada DSL: All ingredients listed.



WHMIS Classification: D2A, Very Toxic Material at =0.1%.

WHMIS: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. (Canada)

Section 16. Other Information

<u>Date Revised</u>	8/19/08	<u>Prepared by</u>	Sharon Stratman
<u>For More Information Call</u>	713-225-0048		

Important Notice

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of this product for particular uses are beyond our control. Users should make their own investigation to determine the suitability of the information or products for their respective purposes.