

MATERIAL SAFETY DATA SHEET

Product Name: ANCO PHALT S

Anchor Drilling Fluids USA, Inc.
2431 E 61ST Street, Suite 710 Tulsa, OK 74136

Run Date: 12/22/94

Rev. Date 5/01/06

I. GENERAL INFORMATION

Chemical Name: SULFONATED ASPHALT
Chemical Family: ASPHALT
Chemical Formula: PROPRIETARY
NFPA Properties: Health: NDA Flammability: NDA Reactivity: NDA
Emergency Telephone: CHEMTREC (800) 424-9300 Information Telephone: (918) 583-7701

II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components	OSHA PEL	ACGIH	CAS#	%
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This product does not meet the definition of a hazardous chemical given in 29 CFR Part 1910.1200 (OSHA).

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point °F:	N/A	Appearance:	DARK BROWN POWDER
Specific Gravity:	.98	Odor:	MILD
Vapor Pressure:	N/A	Form:	POWDER
Percent Volatility:	N/A	pH (1%):	9.5 - 10.0
Vapor Density:	N/A	Viscosity:	N/A
Evaporation Rate:	N/A	Activity:	N/A
Solubility in Water:	DISPERSIBLE	LC50:	NDA
Melting Point °F:	> 500° F	LD50:	NDA

IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: DRY CHEMICAL, WATER SPRAY, WATER FOG, CO2, FOAM, SAND & EARTH
Flash Point °F: >200°F
Flammable Limits: NOT FLAMMABLE LEL: N/A UEL: N/A
Special Firefighting Procedures: FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT, INCLUDING A SELF CONTAINED BREATHING APPARATUS. BECOMES SLIPPERY WHEN WET.
Unusual Fire & Explosion Hazards: FLAMMABLE SOLIDS MAY PROVIDE CONDITIONS FOR A DUST EXPLOSION.

V. HEALTH HAZARD DATA

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Effects of Overexposure: EYES & SKIN IRRITANT; RESPIRATORY IRRITANT IF INHALED; MAY CAUSE GASTROINTESTINAL UPSET IF INGESTED.
Toxicological Properties: NONE KNOWN.
Chronic & Acute Effects of Overexposure:
Carcinogenicity: NTP – NO IARC Monographs – NO OSHA Regulated –

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Emergency First Aid Procedures:

NON-TOXIC. AVOID DUST IN ENCLOSED AREAS.

Eyes: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION.
Skin Contact: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE AND LAUNDRER CONTAMINATED CLOTHING. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION.
Inhalation: REMOVE FROM EXPOSURE. IF ILLNESS OR ADVERSE SYMPTOMS DEVELOP, SEE PHYSICIAN.
Ingestion: GIVE AT LEAST TWO GLASSES OF WATER TO DILUTE AND SEEK MEDICAL ATTENTION.

VI. REACTIVITY DATA

Stability: STABLE (under normal conditions)
Hazardous Polymerization: WILL NOT OCCUR
Hazardous Decomposition Products: AMMONIA, CARBON MONOXIDE, and CARBON DIOXIDE
Conditions to Avoid: NONE.
Incompatibility and Materials to Avoid: STRONG OXIDIZING AGENTS

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

<u>Steps To Be Taken In Case Material Is Released Or Spilled – Procedures For Clean-Up:</u>	ABSORB WITH AN INERT MATERIAL SUCH AS SOIL, SAND OR CLAY, AND SCOOP INTO LEAK-PROOF CONTAINERS. SLIPPERY WHEN WET. USE CAUTION TO AVOID FALLS.
<u>Waste Disposal Method:</u>	DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS.
<u>Precautions To Be Taken In Handling & Storage:</u>	STORE BETWEEN 40 ° F AND 120 ° F.
<u>Other Precautions</u>	NONE.

VIII. CONTROL MEASURES

Ventilation Type Required: MECHANICAL EXHAUST
Protective Gloves: RECOMMENDED
Eye Protection: SAFETY GOGGLES WITH SHIELDS RECOMMENDED FOR PROLONGED EXPOSURE.
Respiratory Protection: IF POWDER, WEAR A NIOSH APPROVED DUST MASK
Other Protective Equipment: NEOPRENE PROTECTIVE-TYPE APRON. CLOTHING WHICH CONTACTS SKIN SHOULD BE CHANGED DAILY.

IX. REGULATORY & TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: OIL-WELL TREATING COMPOUND
US DOT Hazard Class: DOT ID Number: N/A
ID Number: Freight Classification
Unregulated by DOT: Regulated by DOT:
Special Transportation Note: Labels Required:

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