

MATERIAL SAFETY DATA SHEET

Product Name: ANCO SPERSE

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: CHROME LIGNOSULFONATE CAS#: 9066-50-6
Chemical Family: LIGNIN
Chemical Formula: N/A
Synonyms: Q-BROXIN, UNICAL, SPERSENE, FCLS
NFPA Properties: Health: 1 Flammability: 0 Reactivity: 0
Emergency Telephone: CHEMTREC (800) 424-9300 Information Telephone: (918) 583-7701

II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components	TWAPPM	TWA MG/M ³	STEL PPM	STEL MG/M ³	CAS#	OTHER LIMITS	%
1. LIGNOSULFONATE							N/A

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point °F:	N/A	Color:	DEEP BROWN/LIGHT BROWN
Specific Gravity:	0.65	Odor:	MILD
Vapor Pressure:	N/A	Appearance:	POWDER
Percent Volatility:	2-10% (MOISTURE)	pH:	
Vapor Density:	N/A	Viscosity:	N/A
Evaporation Rate:	N/A	Activity:	N/A
Solubility in Water:	SOLUBLE	LC50:	NDA
Melting Point °F:	N/A	LD50:	NDA

IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: DRYCHEMICAL OR WATERSPRAY OR WATERFOG OR CO2 OR FOAM OR SAND & EARTH
Flash Point °F: N/A
Flammable Limits: N/A LEL: N/A UEL: N/A
Special Firefighting Procedures: FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire & Explosion Hazards:

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V. HEALTH HAZARD DATA

Routes of Entry: Inhalation – YES Skin – YES Ingestion – YES
Effects of Overexposure: NONE
Toxicological Properties: NDA
Chronic & Acute Effects of Overexposure:
Carcinogenicity: NTP – NO IARC Monographs – NO OSHA Regulated:

Emergency First Aid Procedures:

- Eyes: FLUSH WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN.
- Skin Contact: ORDINARY MEASURES OF PERSONAL HYGIENE SHOULD BE ADEQUATE
- Inhalation: SYMPTOMATIC TREATMENT.
- Ingestion: CONSULT A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

VI. REACTIVITY DATA

Stability: STABLE Hazardous Polymerization: WILL NOT OCCUR
Hazardous Decomposition Products: SMOKE, FUMES, CARBON MONOXIDE, CARBON DIOXIDE
Conditions To Avoid: EXCESSIVE ACCUMULATION OF DUST ON FLOORS, BEAMS OR MACHINERY HAS BEEN KNOWN TO CAUSE DUST EXPLOSIONS.
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>	SWEEP SPILL MATERIAL AND REPACKAGE.
<u>Waste Disposal Method:</u>	INCINERATE IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS
<u>Precautions To Be Taken In Handling & Storage:</u>	NONE.

VIII. CONTROL MEASURES

Ventilation Type Required: LOCAL EXHAUST
Protective Gloves: RECOMMENDED
Eye Protection: SAFETY GOGGLES
Respiratory Protection: WEAR A NIOSH APPROVED MASK IF CONCENTRATION IS TO EXCEED TLV
Other Protective Equipment:
Comments:

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IX. REGULATORY & TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: "OIL-WELL TREATING COMPOUND"
US DOT Hazard Class: DOT ID Number: NOT REGULATED
ID Number: Freight Classification:
Unregulated by DOT: Regulated by DOT:
Special Transportation Note:
Labels Required:

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