

MATERIAL SAFETY DATA SHEET
Product Name: ANCO PAC (REGULAR & SUPERLO)

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

Run Date: 12/22/94

Rev. Date: 5/1/06

I. GENERAL INFORMATION

Chemical Name: POLYANIONIC CELLULOSE CAS#: PROPRIETARY
Chemical Family: CELLULOSE ETHER
Chemical Formula:
Synonyms: PAC
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 | TWAPPM | TWA MG/M ³ | STEL PPM | STEL MG/M ³ | CAS# | OTHER LIMITS | % |
|--------------------------|--------|-----------------------|----------|------------------------|------|--------------|---|
| 1. POLYANIONIC CELLULOSE | | | | | | | |

III. PHYSICAL / CHEMICAL CHARACTERISTICS

| | | | |
|----------------------|------------|-------------|--------------------|
| Boiling Point °F: | N/A | Color: | WHITE TO OFF-WHITE |
| Specific Gravity: | 1.6 | Odor: | NONE |
| Vapor Pressure: | N/A | Appearance: | POWDER |
| Percent Volatility: | NEGLIGIBLE | pH: | |
| Vapor Density: | N/A | Viscosity: | N/A |
| Evaporation Rate: | N/A | Activity: | N/A |
| Solubility in Water: | COMPLETE | 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:
Incompatibility and Materials to Avoid:

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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