

# MATERIAL SAFETY DATA SHEET

Product Name: ANCO MUL P

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

Run Date: 12/22/94

Rev. Date 05/01/06

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## I. GENERAL INFORMATION

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Chemical Name: FATTY ACID CAS#: 70321-73-2  
Chemical Family:  
Chemical Formula: PROPRIETARY  
Synonyms: N/A  
NFPA Properties: Health: NDA Flammability: NDA Reactivity: NDA  
Emergency Telephone: CHEMTREC (800) 424-9300 Information Telephone: (918) 583-7701

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## II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

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Hazardous Components	TWAPPM	TWA MG/M <sup>3</sup>	STEL PPM	STEL MG/M <sup>3</sup>	CAS#	OTHER LIMITS	%
1. GLYCERIDE ESTERS							50
2. CARBOXYLIC ACIDS							40
3. UNSAPONIFIABLES							06

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## III. PHYSICAL / CHEMICAL CHARACTERISTICS

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Boiling Point °F:	350°F	Color:	BLACK
Specific Gravity:	0.89 @ 25/20 C	Odor:	NDA
Vapor Pressure:	1 MMHG @ 180°C	Appearance:	LIQUID
Percent Volatility:	NDA	pH:	
Vapor Density:	NDA	Viscosity:	NDA
Evaporation Rate:	NDA	Activity:	N/A
Solubility in Water:	NEGLIGIBLE	LC50:	NDA
Melting Point °F:	NDA	LD50:	> 10G/KG (RAT)

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## IV. FIRE & EXPLOSION HAZARD DATA

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Extinguishing Agents: DRY CHEMICAL, WATER SPRAY, WATER FOG, CO2, FOAM, SAND & EARTH  
Flash Point °F: 365°F C.O.C.  
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: COMBUSTIBLE PETROLEUM DISTILLATE.

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## V. HEALTH HAZARD DATA

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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 EYES WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN.  
Skin Contact:   ORDINARY MEASURES OF PERSONAL HYGIENE SHOULD BE ADEQUATE  
Inhalation:     SYMPTOMATIC TREATMENT.  
Ingestion:      ESSENTIALLY NON-TOXIC.

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## VI. REACTIVITY DATA

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Stability:                            STABLE (under normal conditions)  
Hazardous Polymerization:        WILL NOT OCCUR  
Hazardous Decomposition Products: SMOKE, FUMES, CARBON DIOXIDE (CO<sub>2</sub>) AND CARBON MONOXIDE (CO).  
Conditions to Avoid:  
Incompatibility and Materials to Avoid: STRONG OXIDIZERS.

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## VII. PRECAUTIONS FOR SAFE HANDLING AND USE

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<u>Steps To Be Taken In Case Material Is Released Or Spilled – Procedures For Clean-Up:</u>	SWEEP UP 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 &amp; Storage:</u>	NONE.
<u>Other Precautions</u>	NONE.

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## VIII. CONTROL MEASURES

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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:

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## IX. REGULATORY & TRANSPORTATION INFORMATION

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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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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any damage or expense.

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