

MATERIAL SAFETY DATA SHEET

Product Name: ANCO MUL OW

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

Run Date: 12/22/94

Rev. Date 05/01/06

I. GENERAL INFORMATION

Chemical Name: MODIFIED FATTY ACID AMIDE CAS#: 68442-77-3

Chemical Family:

Chemical Formula: PROPRIETARY

Synonyms: N/A

NFPA Properties: Health: 1 Flammability: 1 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. N/A							

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point °F:	NDA	Color:	DARK AMBER
Specific Gravity:		Odor:	FATTY
Vapor Pressure:	MMHG < 1	Appearance:	LIQUID
Percent Volatility:	NDA	pH:	
Vapor Density:	NDA	Viscosity:	> 100 SUS @ 100
Evaporation Rate:	N/A	Activity:	NDA
Solubility in Water:	INSOLUBLE	LC50:	NDA
Melting Point °F:	NDA	LD50:	NDA

IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: DRY CHEMICAL, WATER SPRAY, WATER FOG, CO₂, FOAM, SAND & EARTH

Flash Point °F: 170°F (PMCC)

Flammable Limits: N/A LEL: N/A UEL: N/A

Special Firefighting Procedures: FIREFIGHTERS MUST BE EQUIPPED TO PREVENT BREATHING OF VAPORS OR PRODUCTS OF COMBUSTION. WEAR AN APPROVED SELF-CONTAINED BREATHING APPRATUS AND PROTECTIVE CLOTHING.

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: IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN.
Skin Contact: FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES.
Inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN AND CALL A PHYSICIAN.
Ingestion: CALL A PHYSICIAN.

VI. REACTIVITY DATA

Stability: STABLE (under normal conditions)
Hazardous Polymerization: WILL NOT OCCUR
Hazardous Decomposition Products: AS WITH ANY ORGANIC MATERIAL, COMBUSTION WILL PRODUCE CARBON DIOXIDE (CO₂) AND PROBABLY CARBON MONOXIDE (CO). OXIDES OF NITROGEN.
Conditions to Avoid:
Incompatibility and Materials to Avoid: STRONG OXIDIZERS SUCH AS HYDROGEN PEROXIDE, BROMINE AND CHROMIC ACID.

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 SOAND, SOIL OR VERMICULITE; SWEEP UP AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
<u>Waste Disposal Method:</u>	INCINERATE 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.

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VIII. CONTROL MEASURES

Ventilation Type Required: MECHANICAL EXHAUST.
Protective Gloves: RUBBER OR PLASTIC, SOLVENT RESISTANT
Eye Protection: CHEMICAL SAFETY GOGGLES.
Respiratory Protection: USE NIOSH/OSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR
CARTRIDGE IF VAPOR CONCENTRATION EXCEEDS PERMISSIBLE
EXPOSURE LIMIT.
Other Protective Equipment: NEOPRENE TYPE APRON.

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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