

MATERIAL SAFETY DATA SHEET

Product Name: DF-450

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

Run Date: 7/20/99

Rev. Date: 05/01/06

I. GENERAL INFORMATION

Chemical Name: DF-450 CAS#: N/A
Chemical Family: BLEND OF TOSCA REPORTED SUBSTANCES
Chemical Formula: PROPRIETARY
Synonyms: DRILLING FOAMER
NFPA Properties: Health: 2 Flammability: 2 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. DANGER !!! INGESTION HAZARD, MODERATE EYE IRRITANT, MODERATE INHALATION HAZARD AND SKIN IRRITANT							
2.							
3.							

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point °F:	215°F	Color:	LIGHT AMBER
Specific Gravity:	.99 – 1.02	Odor:	ALCOHOLIC
Vapor Pressure:	N/A	Appearance:	LIQUID
Percent Volatility:	APPRECIABLE	pH:	N/A
Vapor Density:	N/A	Viscosity:	N/A
Evaporation Rate:	N/A	Activity:	N/A
Solubility in Water:	100%	LC50:	N/A
Melting Point °F:	N/A	LD50:	N/A

IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: DRY CHEMICAL, CARBON DIOXIDE
Flash Point °F: N/A
Flammable Limits: N/A LEL: N/A UEL: N/A
Special Firefighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS
Unusual Fire & Explosion Hazards: N/A

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V. HEALTH HAZARD DATA

Routes of Entry: Inhalation – YES Skin – MINIMAL Ingestion – YES
Effects of Overexposure: NAUSEA, VOMITING, BLURRED VISION
Toxicological Properties:
Chronic & Acute Effects of Overexposure: N/A
Carcinogenicity: NTP – NO IARC Monographs – NO OSHA Regulated – NO

Emergency First Aid Procedures:

- Eyes: FLUSH EYES WITH LOW PRESSURE WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION IMMEDIATELY.
- Skin Contact: WASH AFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES AND CLEAN THOROUGHLY BEFORE REUSE. IF IRRITATION DEVELOPES, SEEK MEDICAL ATTENTION.
- Inhalation: IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. OBTAIN MEDICAL ATTENTION. KEEP INDIVIDUAL QUIET. IN THE EVENT OF RESPIRATORY DISTRESS, GIVE OXYGEN OR ARTIFICIAL RESPIRATION.
- Ingestion: INDUCE VOMITING ONLY IF VICTIM IS CONSCIOUS. OBTAIN MEDICAL ATTENTION.

VI. REACTIVITY DATA

Stability: STABLE Hazardous Polymerization: NOT EXPECTED
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN AND SULFUR
Conditions To Avoid: HEAT, SPARKS OR OPEN FLAME
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>	USE ABSORBENT MATERIALS SUCH AS CLAY OR DIATOMACEOUS EARTH TO CLEAN UP SPILL.
<u>Waste Disposal Method:</u>	DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATION.
<u>Precautions To Be Taken In Handling & Storage:</u>	KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. USE EYE PROTECTION AND PROPER CLOTHING WHEN HANDLING.

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VIII. CONTROL MEASURES

Ventilation Type Required: LOCAL EXHAUST
Protective Gloves: RECOMMENDED
Eye Protection: SAFETY GOGGLES
Respiratory Protection: WEAR A NIOSH APPROVED MASK IF CONCENTRATIONS EXCEED TLV.
Other Protective Equipment: NONE

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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