

MATERIAL SAFETY DATA SHEET

Product Name: **BENTONE 38**

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

Run Date: 03/13/09

Rev. Date: _10/02/09_

I. GENERAL INFORMATION

Chemical Name:

CAS#:

Chemical Family: ORGANOPHILIC CLAY

Chemical Formula:

Synonyms: ANCO MUL VIS HT

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. CRYSTALLINE SILICA – QUARTZ					14808-60-7		

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point °F:	N/A	Color:	LIGHT CREAM
Specific Gravity:	1.7	Odor:	NONE
Vapor Pressure:	N/A	Appearance:	POWDER
Percent Volatility:	N/A	pH:	N/A
Vapor Density:	N/A	Viscosity:	
Evaporation Rate:	N/A	Activity:	
Solubility in Water:	INSOLUBLE	LC50:	
Melting Point °F:	N/A	LD50:	

IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: WATER FOG, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

Flash Point °F: N/A

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

Special Firefighting Procedures:

Unusual Fire & Explosion Hazards: PRECAUTIONS FOR FLAMABLE ORGANIC DUSTS SHOULD BE PROVIDED. AVOID HIGH DUST CONCENTRATIONS. ASSURE ALL EQUIPMENT IS PROPERLY GROUNDED TO PREVENT STATIC DISCHARGES, AND VENTED TO PROVIDE FOR POTENTIAL ENERGY RELEASE.

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V. HEALTH HAZARD DATA

Routes of Entry: Inhalation – N Skin –Y Ingestion – N

Acute Effects of Overexposure: INHALATION: MAY CAUSE SLIGHT RESPIRATORY IRRITATION. SKIN CONTACT: NOT EXPECTED TO CAUSE IRRITATION. SKIN ABSORPTION: CAN NOT BE ABSORBED THROUGH THE SKIN. EYE CONTACT: MAY PRODUCE MECHANICAL IRRITATION. INGESTION: NOT EXPECTED TO PRODUCE ADVERSE EFFECTS.

Toxicological Properties: NO DATA FOR PRODUCT

Chronic Effects of Overexposure: CRYSTALLINE SILICA: EXCESSIVE EXPOSURE, OVER PROLONGED PERIODS CAUSES LUNG DAMAGE COMMONLY CALLED "SILICOSIS". THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS CONCLUDED CRYSTALLINE SILICA, INHALED IN EXCESSIVE AMOUNTS, IN THE FORM OF QUARTZ OR CRISTOBALITE, FROM OCCUPATIONAL SOURCES, IS CARCINOGENIC TO HUMANS.

Carcinogenicity: NTP – YES RESPIRABLE IARC Monographs – YES OSHA Regulated –NO

Emergency First Aid Procedures:

- Eyes: RINSE IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES.
- Skin Contact: WASH WITH SOAP AND WATER.
- Inhalation: REMOVE PERSON TO FRESH AIR. IF BREATHING IS DIFFUCULT, SEEK MEDICAL ATTENTION.
- Ingestion: PROVIDE SYMPTOMATIC TREATMENT AND SEEK MEDICAL ATTENTION.

VI. REACTIVITY DATA

Stability: STABLE UNDER NORMAL OPERATING CONDITIONS.

Hazardous Polymerization:

Hazardous Decomposition Products: POSSIBLE EMISSION OF CARBON MONOXIDE, CARBON DIOXIDE AND AMMONIA.

Conditions To Avoid: NONE

Incompatibility and Materials to Avoid: NONE KNOWN

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/SHOVEL UP AND TRANSFER INTO A DRUM FOR REUSE OR DISPOSAL. WEAR AN AIR-PURIFYING DUST RESPIRATOR AND CHEMICAL RESISTANT GLOVES. WEAR EYE PROTECTION TO PREVENT DUST FROM ENTERING THE EYES.
<u>Waste Disposal Method:</u>	DISPOSE OF IN A MANNER IN ACCORDANCE WITH LOCAL AND FEDERAL REUGLATIONS. USE A LICENSED WASTE HANDLER.
<u>Precautions To Be Taken In Handling & Storage:</u>	PRECAUTIONS FOR FLAMMABLE ORANIC DUSTS SHOULD BE PROVIDED. AVOID HIGH DUST CONCENTRATIONS. ASSURE ALL EQUIPMENT IS PROPERLY GROUNDED TO PREVENT STATIC DISCHARGES, AND VENTED TO PROVIDE FOR POTENTIAL ENERGY RELEASE.

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VIII. CONTROL MEASURES

Ventilation Type Required: LOCAL EXHAUST VENTILATION IF AIRBORNE CONCENTRATIONS ARE ABOVE RECOMMENDED EXPOSURE LEVELS.

Protective Gloves: USE CHEMICAL RESISTANT GLOVES

Eye Protection: USE SAFETY GLASSES/GOGGLES

Respiratory Protection: USE AN AIR PURIFYING DUST RESPIRATOR IF AIRBORNE CONCENTRATION LEVELS ARE ABOVE EXPOSURE LIMITS.

Other Protective Equipment: NONE

IX. REGULATORY & TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: " _____ "

US DOT Hazard Class: _____ DOT ID Number: _____

ID Number: _____ Freight Classification: _____

Unregulated by DOT: _____ Regulated by DOT: NOT REGULATED

Special Transportation Note: _____

Labels Required: _____

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