

# Safety Data Sheet

Prepared for:

Anchor Drilling Fluids USA, Inc.  
2431 East 61<sup>st</sup>  
Tulsa, Oklahoma 74136  
918.583.7701

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Section 1: Identification	
<i>Identification of the chemical as well as the recommended uses and the essential contact information of the supplier.</i>	
<b>Product Identifier:</b>	ANCO BX
<b>Common Name(s):</b>	ANCO BX
<b>Chemical Family:</b>	Anionic Water Soluble Polymer
<b>Synonyms:</b>	Bentonite Extender
Manufacturer, Importer, and/or Responsible Party Information	
<b>Name:</b>	Anchor Drilling Fluids USA, Inc.
<b>Address:</b>	2431 East 61 <sup>st</sup> Street, Suite 710, Tulsa, Oklahoma 74136
<b>Phone Number:</b>	918.583.7701
<b>Emergency Phone Number:</b>	CHEMTREC 800.424.9300
Recommended Use of Chemical	
<b>Chemical Services:</b>	For use in drilling practices
<b>Use Restrictions:</b>	None

## Section 2: Hazard(s) Identification

Identification of the hazards of the chemical presented and the appropriate warning information associated with those hazards.

**Hazard Classification:** C.4.20 Flammable Solids: Hazard Category 1 & 2

**Signal Word:** Danger

**Hazard Statement(s):** Flammable solid

**Pictogram(s):**

Flame



**Precautionary Statement(s):**

**Keep away from heat/sparks/open flames/hot surfaces. - No smoking.** Chemical manufacturer, importer, or distributor to specify applicable ignition source(s).  
**Ground/Bond container and receiving equipment.** - *if electrostatically sensitive material is for reloading.* **Use explosion-proof electrical/ventilating/ lighting/... /equipment.** ... Chemical manufacturer, importer, or distributor to specify other equipment. - *if dust clouds can occur.* **Wear protective gloves/eye protection/face protection** Chemical manufacturer, importer, or distributor to specify type of equipment. **Avoid breathing dust/fume/gas/mist/ vapors/spray.** Chemical manufacturer, importer, or distributor to specify applicable conditions. **[In case of inadequate ventilation] wear respiratory protection.** Chemical manufacturer, importer, or distributor to specify equipment - *Text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.*

**Description of any hazards not otherwise classified:** None

Mixture Identification (if toxicity is unknown)

**Percentage of the mixture consisting of ingredient(s) with unknown toxicity:** N/A

*Note: this is a total percentage of the mixture and not tied to the individual ingredient(s).*

### Section 3: Composition/Information on Ingredients

*Identification of the ingredient(s) contained in the product, including impurities and stabilizing additives. This section includes information on substances, mixtures and all chemicals where a trade secret is claimed.*

#### Substances

Product is a mixture

#### Mixtures

**Chemical Names and Concentrations:** Proprietary

**Common Name:** ANCO BX

**Synonym(s):** BENTONITE EXTENDER

**Chemical Abstract Service (CAS) Number:** N/A

**Any other unique identifiers:** None

**Impurities and stabilizing additives (which are themselves classified and which contribute to the classification of the chemical):** None

#### Recommended Use of Chemical

**Chemical Services:** For use in drilling practices

**Use Restrictions:** N/A

#### Trade Secret

**Is the specific chemical identity and/or exact concentration of composition withheld as a trade secret?** Yes

#### Section 4: First-Aid Measures

*Description of the initial care that should be given by untrained responders to an individual who has been exposed to the chemical.*

##### Necessary first-aid instructions

**Inhalation:** Move to fresh air

**Acute Symptoms of Inhalation:** May cause irritation

**Delayed Symptoms of Inhalation:** None known

**Skin Contact:** Wash hands thoroughly with plenty of soap and water. Ordinary measures of personal hygiene should be adequate

**Acute Symptoms of Skin Contact:** May cause irritation

**Delayed Symptoms of Skin Contact:** None known

**Eye Contact:** Flush with plenty of water for fifteen (15) minutes. If irritation develops, call a physician

**Acute Symptoms of Eye Contact:** May cause irritation

**Delayed Symptoms of Eye Contact:** None known

**Ingestion:** Not considered to be toxic. Consult a physician and never give anything by mouth to an unconscious person

**Acute Symptoms of Ingestion:** None known

**Delayed Symptoms of Ingestion:** None known

##### Immediate Medical Care / Special Treatment

**Is immediate medical care or special treatment required?** No

**If so, what is needed:** N/A

#### Section 5: Fire-Fighting Measures

Recommendations for fighting a fire caused by or including the chemical.

**Suitable Extinguishing Equipment:** Dry chemical, water spray, water fog, CO<sub>2</sub>, foam or sand & earth

**Extinguishing equipment not appropriate:** When material is wet, it is extremely slippery

**Specific hazards created from chemical burning:** None

**Special protective equipment needed:** Firefighters should wear normal protective equipment including a self-contained breathing apparatus

### Section 6: Accidental Release Measures

*Recommendations on the appropriate response to spills, leaks, or releases; including containment and cleanup practices to prevent or minimize exposure to people, properties, or the environment.*

<b>Personal Precautions:</b>	CAUTION! Product is extremely slippery when wet. Wash thoroughly after handling, keep container closed and dry in cool place.
<b>Emergency Procedure(s):</b>	Sweep spill material and repackage. After and only after cleaning, flush away remaining traces with water.
<b>Method(s) and material(s) used for containment:</b>	Rubber gloves, safety goggles with side shield, a NIOSH approved mask recommended.
<b>Cleanup procedure(s):</b>	Sweep spill material and repackage only after cleaning, flush away remaining traces with water of waste in accordance with local, state and federal regulations.

### Section 7: Handling and Storage

*Guidance on the safe handling practices and conditions for safe storage of the chemical.*

<b>Handling precautions:</b>	CAUTION! Product is slippery when wet. Wash thoroughly after handling. Keep container closed and dry in cool place.
<b>Hygiene practices:</b>	Ordinary measures of personal hygiene should be adequate.
<b>Safe storage recommendation:</b>	Closed dry container in a cool dry area.
<b>Incompatible storage options:</b>	Damp storage area or near heat/ignition sources

### Section 8: Exposure Controls/Personal Protection

*Identification of the exposure limits, engineering controls, and personal protective measures that can be used to minimize worker exposure.*

<b>OSHA Permissible Exposure Limits (PELs):</b>	Not regulated
<b>American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs):</b>	Not listed
<b>Exposure limit (recommended by manufacturer, importer or employer):</b>	N/A
<b>Appropriate Engineering Controls:</b>	Store in well ventilated, cool, dry area. Eyewash station should be available to those handling product.
<b>Recommendations for personal protective measures:</b>	None
<b>Special requirements of PPE, protective clothing or respirators:</b>	None

### Section 9: Physical and Chemical Properties

*Identification of physical and chemical properties associated with the substance or mixture.*

<b>Appearance (Physical State):</b>	Power
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not regulated
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>pH:</b>	4-0 @ 5 GL
<b>Relative Density:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A
<b>Solubility(ies):</b>	Soluble in water
<b>Initial Boiling Point:</b>	N/A
<b>Boiling Range:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Flammability:</b>	N/A
<b>Upper/lower flammability or explosive limits:</b>	N/A
<b>Partition Coefficient:</b>	N/A
<b>Auto-Ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A

### Section 10: Stability and Reactivity

*Description of the reactivity hazards of the chemical and the chemical stability information.*

Reactivity	
<b>Description of specific test data:</b>	None
Chemical Stability	
<b>Is the chemical stable or unstable:</b>	Stable
<b>Stabilizers needed to maintain chemical stability:</b>	None
<b>Safety issues that may arise should the chemical change in physical appearance:</b>	None known
Other	
<b>Conditions in which hazardous reactions may occur:</b>	None known
<b>Possibility of hazardous reactions:</b>	None
<b>Will chemical react or polymerize:</b>	No
<b>Will chemical release pressure, heat, or any other hazardous conditions:</b>	Thermal decomposition may produce carbon oxides and nitrogen oxides
<b>Conditions to avoid:</b>	None known
<b>Class(es) of incompatible material(s):</b>	Oxidizing agents may cause exothermic reactions
<b>Known or anticipated hazardous decomposition products produced because of storage, use, or heating:</b>	None known

Section 11: Toxicological Information	
<i>Identification of toxicological and/or health effects.</i>	
<b>Likely routes of exposure:</b>	Inhalation
<b>Delayed, immediate or chronic effects of short-term exposure:</b>	Slight irritation
<b>Delayed, immediate or chronic effects of long-term exposure:</b>	Slight irritation
<b>Numerical measurement of toxicity:</b>	Health: 1, Flammability: 1, Reactivity: 0
<b>Description of symptoms (lowest to most severe):</b>	Irritation
<b>Is chemical listed in the National Toxicology Program (NTP) Report on Carcinogens:</b>	No
<b>Has chemical been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs:</b>	No
<b>Has chemical been found to be a potential carcinogen by OSHA:</b>	No

Section 12: Ecological Information (non-mandatory)	
<i>Information to evaluate the environmental impact of the chemical if it were released to the environment.</i>	
<b>Toxicity test results performed on aquatic and/or terrestrial organisms:</b>	None
<b>Does the chemical have the potential to degrade the environment (biodegradation, oxidation, hydrolysis, etc.):</b>	No
<b>Bioaccumulation test results:</b>	None
<b>Potential of chemical moving from soil to the groundwater:</b>	Possible if product spills and is not remediated. Product is soluble in water and therefore can penetrate soil to reach groundwater if not properly cleaned up
<b>Other adverse effects:</b>	None known

Section 13: Disposal Considerations (non-mandatory)	
<i>Guidance on proper disposal practices, recycling or reclamation of the chemical or its container. Safe handling practices to minimize exposure. (Refer to section 8 for more information)</i>	
<b>Appropriate disposal containers:</b>	Dispose of waste in accordance with local, state and federal regulations.
<b>Appropriate disposal methods:</b>	Dispose of in accordance with local, state and federal regulations
<b>Physical and chemical properties that may affect disposal activities:</b>	Product is extremely slippery when wet
<b>Special precautions for landfills or incineration activities:</b>	Product is extremely slippery when wet
<b>Is it advisable to utilize sewage disposal for this chemical:</b>	No

### Section 14: Transport Information (non-mandatory)

*Guidance on classification information for shipping and transporting the chemical by road, air, rail, or sea.*

This product is not a DOT/IMO Hazardous Material

### Section 15: Regulatory Information (non-mandatory)

*Identification of safety, health and environmental regulations specific for the chemical that is not indicated anywhere else on this SDS.*

**Chemical Weapons Convention (CWC):** NDA  
**Clean Air Act - Hazardous Air Pollutants (HAP):** NDA  
**Clean Air Act - Ozone Depleting Substances (ODS):** NDA  
**Clean Water Act - Priority Pollutants (PP):** NDA  
**Occupational Safety and Health Act (OSHA):** The OSHA Hazard Communication Standard (29 CFR 1910.1200) defines this chemical as C.4.20 Flammable Solids: Hazard Category 1 & 2. For more information, see Section 2 of this SDS.  
**Resource Conservation and Recovery Act (RCRA):** NDA  
**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 302 - Extremely Hazardous Substances (EHS):** NDA  
**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 304 - Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):** NDA  
**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 311/312 - Hazard Communication Standard (HCS):** NDA  
**Superfund Amendments and Reauthorization Act (SARA) Title III: Section 313 Toxic Chemical List (TCL):** NDA  
**TSCA Section 5(e) - Consent Order / Significant New Use Rule (SNUR):** NDA  
**TSCA Section 8(b) - Inventory Status:** NDA  
**TSCA Section 12(b) - Export Notification:** NDA

**Items in red require immediate attention.**

### Section 16: Other Information

**Date of SDS Preparation:** October 2, 2013

**Revision Date:** N/A

**Changes from previous version:** N/A

**Other useful information:** None

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