

Safety Data Sheet

Prepared for:

Anchor Drilling Fluids USA, Inc.
2431 East 61st Street, Suite 710
Tulsa, Oklahoma 74136
918.583.7701

October 8, 2013

Section 1: Identification	
<i>Identification of the chemical as well as the recommended uses and the essential contact information of the supplier.</i>	
Product Identifier:	ANCO Rig Wash
Common Name(s):	
Chemical Family:	Surfactant
Synonyms:	Heavy Duty Degreaser
Manufacturer, Importer, and/or Responsible Party Information	
Name:	Anchor Drilling Fluids USA, Inc.
Address:	2431 East 61 st Street, Suite 710, Tulsa, Oklahoma 74136
Phone Number:	918.583.7701
Emergency Phone Number:	CHEMTREC: 800.424.9300
Recommended Use of Chemical	
Chemical Services:	ANCO Rig Wash is used in mud drilling operations
Use Restrictions:	N/A

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.4.3 Acute Toxicity - Inhalation: Hazard Category 4, C.4.1 Acute Toxicity - Oral: Hazard Category 4, C.4.4 Skin Corrosion/Irritation Hazard Category 1A to 1C, C.4.19 Flammable Liquids: Hazard Category 3

Signal Word: Warning, Danger

Hazard Statement(s): Harmful if inhaled, Harmful if ingested, Harmful in contact with skin/eyes, Causes severe skin burns and eye damage, Flammable liquid and vapor

Pictogram(s): Exclamation Mark  Corrosion 

Precautionary Statement(s):	Prevention:	Wash thoroughly after handling. Avoid breathing dust/fumes/gas/mist/vapors/spray. Use only in well ventilated areas. Wear protective clothing and gloves. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. Keep storage containers tightly closed, ground/bond container and receiving equipment, Use explosion proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
	Response:	If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Rinse Mouth. If swallowed do not induce vomiting. If on skin: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center/doctor. Specific treatment. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
	Storage:	Store in a well-ventilated place. Store locked up. Keep cool
	Disposal:	Dispose of in accordance with local, state, regional, and federal regulations.

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: NDA

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

Section 3: Composition/Information on Ingredients	
<i>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.</i>	
Substances	
This product is a mixture	
Mixtures	
Chemical Names and Concentrations:	Ethylene Glycol Monobutyl Ether, Sodium Hydroxide
Common Name:	ANCO Rig Wash
Synonym(s):	Heavy Duty Degreaser
Chemical Abstract Service (CAS) Number:	111-76-2, 1310-73-2
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:	ANCO Rig Wash is used in mud drilling operations
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	
<i>Description of the initial care that should be given by untrained responders to an individual who has been exposed to the chemical.</i>	
Necessary first-aid instructions	
Inhalation:	Remove person to fresh air. If breathing is difficult, give oxygen and contact a physician
Acute Symptoms of Inhalation:	Irritation
Delayed Symptoms of Inhalation:	None known
Skin Contact:	Wash immediately and thoroughly with plenty of water
Acute Symptoms of Skin Contact:	Irritation
Delayed Symptoms of Skin Contact:	Destruction of skin tissue
Eye Contact:	Flush with plenty of water for a minimum of 15 minutes. See a physician
Acute Symptoms of Eye Contact:	Irritation
Delayed Symptoms of Eye Contact:	Destruction of eye tissue
Ingestion:	Give water and see a physician if symptoms develop or persist
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: Water, Foam, CO2

Extinguishing equipment not appropriate: None

Specific hazards created from chemical burning: Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source & flash back. Material can burn with little or no visible flame. Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away

Special protective equipment needed: None known

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.

Personal Precautions: Use chemical resistant gloves, use safety glasses/goggles, use a self-contained breathing apparatus

Emergency Procedure(s): Immediately contain spill

Method(s) and material(s) used for containment: Mop up material, clean surface with water

Cleanup procedure(s): Mop up spilled material, clean surface with water afterward and dispose of waste according to local, state and federal guidelines

Section 7: Handling and Storage

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

Handling precautions: Use protective gloves, use safety glasses/goggles, wear a NIOSH approved respirator with organic vapor cartridge if vapor concentration exceeds permissible exposure limit

Hygiene practices: Ordinary hygiene measures should be sufficient

Safe storage recommendation: Store away from oxidizers, avoid excessive heat, store locked up.

Incompatible storage options: Strong Oxidizers

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.

OSHA Permissible Exposure Limits (PELs): Not listed

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs): Ethylene Glycol Monobutyl Ether – 50 ppm, Sodium Hydroxide 2MG/m(3)

Exposure limit (recommended by manufacturer, importer or employer): N/A

Appropriate Engineering Controls: Natural or mechanical ventilation, eye wash station and safety shower must be readily available

Recommendations for personal protective measures: Protective gloves, safety glasses/goggles or face shield if splashing is likely, wear a NIOSH approved respirator with organic vapor cartridge if vapor concentration exceeds permissible exposure limit

Special requirements of PPE, protective clothing or respirators: None

Section 9: Physical and Chemical Properties

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

Appearance (Physical State): Liquid

Color: Clear

Odor: None

Odor Threshold: Not regulated

Vapor Pressure: NDA

Vapor Density: NDA

pH: 12.5+

Relative Density: NDA

Melting Point: NDA

Freezing Point: NDA

Solubility(ies): Soluble

Initial Boiling Point: NDA

Boiling Range: NDA

Flash Point: None

Evaporation Rate: NDA

Flammability: Flammable

Upper/lower flammability or explosive limits: NDA

Partition Coefficient: NDA

Auto-Ignition Temperature: NDA

Decomposition Temperature: NDA

Viscosity: NDA

Section 10: Stability and Reactivity	
<i>Description of the reactivity hazards of the chemical and the chemical stability information.</i>	
Reactivity	
Description of specific test data:	None
Chemical Stability	
Is the chemical stable or unstable:	Stable
Stabilizers needed to maintain chemical stability:	None
Safety issues that may arise should the chemical change in physical appearance:	None known
Other	
Conditions in which hazardous reactions may occur:	None known
Possibility of hazardous reactions:	Low
Will chemical react or polymerize:	No
Will chemical release pressure, heat, or any other hazardous conditions:	Yes
Conditions to avoid:	None known
Class(es) of incompatible material(s):	Oxidizers
Known or anticipated hazardous decomposition products produced because of storage, use, or heating:	None known

Section 11: Toxicological Information	
<i>Identification of toxicological and/or health effects.</i>	
Likely routes of exposure:	Inhalation, Skin, Ingestion, Eyes
Delayed, immediate or chronic effects of short-term exposure:	None known
Delayed, immediate or chronic effects of long-term exposure:	None known
Numerical measurement of toxicity:	Health: 1, Flammability: 0, Reactivity: 0
Description of symptoms (lowest to most severe):	Mild to Severe Irritation Destruction of skin/eye tissue
Is chemical listed in the National Toxicology Program (NTP) Report on Carcinogens:	Yes
Has chemical been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs:	Yes
Has chemical been found to be a potential carcinogen by OSHA:	Yes

Section 12: Ecological Information (non-mandatory)

Information to evaluate the environmental impact of the chemical if it were released to the environment.

Toxicity test results performed on aquatic and/or terrestrial organisms:	None
Does the chemical have the potential to degrade the environment (biodegradation, oxidation, hydrolysis, etc.):	No
Bioaccumulation test results:	None
Potential of chemical moving from soil to the groundwater:	Possible.
Other adverse effects:	None known

Section 13: Disposal Considerations (non-mandatory)

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)

Appropriate disposal containers:	Original container or any in accordance with local, state and federal regulations
Appropriate disposal methods:	Dispose of in accordance with local, state and federal regulations
Physical and chemical properties that may affect disposal activities:	None
Special precautions for landfills or incineration activities:	Excessive heat is not advisable
Is it advisable to utilize sewage disposal for this chemical:	No

Section 14: Transport Information (non-mandatory)

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

UN Number:	NA 1719
UN Shipping Name:	Alkaline (Corrosive Liquid)
Transport Hazard Class(es):	Corrosive Liquid 8
Packing Group Number:	8
Environmental Hazards:	None Known
International Bulk Chemical (IBC) Code:	N/A
Special precautions during transportation:	N/A

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): This product does not contain any chemicals listed under the CWC schedules of chemicals.

Clean Air Act - Hazardous Air Pollutants (HAP): The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Chemical Name: Ethylene Glycol

CASRN: 107211

Clean Air Act - Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpart A, App. A+B).

Clean Water Act - Priority Pollutants (PP): The following chemical(s) are listed as PP under the U.S. Clean Water Act, Section 307 (2)(1) List (40 CFR 401.15).

Chemical Name: Ethylene Glycol

CASRN: 110-80-5

Occupational Safety and Health Act (OSHA): The OSHA Hazard Communication Standard (29 CFR 1910.1200) defines this chemical as a C.4.3 Acute Toxicity - Inhalation: Hazard Category 4, C.4.1 Acute Toxicity - Oral: Hazard Category 4, C.4.4 Skin Corrosion/Irritation Hazard Category 1A to 1C, C.4.19 Flammable Liquids: Hazard Category 3. For more information, see Section 2 of this SDS.

Resource Conservation and Recovery Act (RCRA): This product is not considered to be a P- or U-Listed hazardous waste under RCRA (40 CFR 261).

Superfund Amendments and Reauthorization Act (SARA) Title III: Section 302 - Extremely Hazardous Substances (EHS): This product does not contain any chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

Superfund Amendments and Reauthorization Act (SARA) Title III: Section 304 - CERCLA: This product contains the following chemical(s) regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA List):

Chemical Name: Ethylene Glycol

CASRN: 107-21-1

Statutory Code: 3

Final RQ (pounds): 5,000 (2270)

Superfund Amendments and Reauthorization Act (SARA) Title III: Section 311/312 - Hazard Communication Standard (HCS): This product is not regulated under Section 3-1-312 (40 CFR 370).

Superfund Amendments and Reauthorization Act (SARA) Title III: Section 313 Toxic Chemical List (TCL): This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

TSCA Section 5(e) - Consent Order / SNUR: This product is not subject to a Section 5(3) Consent Order for Significant New Use Rule (SNUR).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are either exempt or not listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

Items in red require immediate attention.

Section 16: Other Information

Date of SDS Preparation: October 8, 2013

Revision Date: N/A

Changes from previous version: N/A

Other useful information: None

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