

Safety Data Sheet

Prepared for:

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

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Section 1: Identification

Identification of the chemical as well as the recommended uses and the essential contact information of the supplier.

Product Identifier: Drispac (R & SL)

Common Name(s): Drispac Polymer

Chemical Family: Cellulose Ether

Synonyms: Pac, Polypac, Viscosifier, Water loss control agent

Manufacturer, Importer, and/or Responsible Party Information

Name: Anchor Drilling Fluids USA, Inc.

Address: 2431 East 61st Street, Suite 710, Tulsa, Oklahoma 74136

Phone Number: 918.583.7701

Emergency Phone Number: CHEMTREC: 800.424.9300

Recommended Use of Chemical

Chemical Services: Drispac (R & SL) 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: Essentially not hazardous

Signal Word: N/A

Hazard Statement(s): N/A

Pictogram(s):

Precautionary Statement(s): Essentially not hazardous

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	
<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:	Drispac (R & SL)
Common Name:	Drillpac (HV & LV)
Synonym(s):	N/A
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:	Drispac (R & SL) 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:	Move the person to fresh air and consult a physician if symptoms develop or persist
Acute Symptoms of Inhalation:	None known
Delayed Symptoms of Inhalation:	None known
Skin Contact:	Wash with soap and water; consult a physician if symptoms develop or persist
Acute Symptoms of Skin Contact:	None known
Delayed Symptoms of Skin Contact:	None known
Eye Contact:	Flush eyes with plenty of water for 15 minutes; if irritation develops consult a physician
Acute Symptoms of Eye Contact:	None known
Delayed Symptoms of Eye Contact:	None known
Ingestion:	Do not induce vomiting; consult a physician if symptoms develop
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, Foam, Carbon Dioxide, Sand & Earth

Extinguishing equipment not appropriate: None

Specific hazards created from chemical burning: None known

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: Avoid dust generation; wear protective gloves and goggles with a face shield.

Emergency Procedure(s): Immediately contain the spill by covering and blocking off the area to prevent spreading.

Method(s) and material(s) used for containment: The spilled chemical will be contained by covering and blocking off the area. Then the chemical will be scooped up into bags or containers and disposed of in accordance with Section 13 of this SDS.

Cleanup procedure(s): Dispose of according to local, state and federal regulations

Section 7: Handling and Storage

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

Handling precautions: Minimize contact with skin, eyes and clothing

Hygiene practices: Ordinary measures of hygiene should be adequate

Safe storage recommendation: Keep away from heat, sparks, open flame

Incompatible storage options: None

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 OSHA Regulated

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs): N/A

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

Appropriate Engineering Controls: General exhaust

Recommendations for personal protective measures: Impervious gloves, chemical goggles and a NIOSH approved respirator when dust levels become high

Special requirements of PPE, protective clothing or respirators: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Section 9: Physical and Chemical Properties

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

Appearance (Physical State):	Powder
Color:	White to Off-White
Odor:	None
Odor Threshold:	Not regulated
Vapor Pressure:	NDA
Vapor Density:	NDA
pH:	NDA
Relative Density:	NDA
Melting Point:	NDA
Freezing Point:	NDA
Solubility(ies):	Soluble
Initial Boiling Point:	NDA
Boiling Range:	NDA
Flash Point:	NDA
Evaporation Rate:	NDA
Flammability:	0
Upper/lower flammability or explosive limits:	NDA
Partition Coefficient:	NDA
Auto-Ignition Temperature:	NDA
Decomposition Temperature:	NDA
Viscosity:	NDA

Section 10: Stability and Reactivity

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

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:	No
Conditions to avoid:	Keep away from heat, sparks and open flames
Class(es) of incompatible material(s):	N/A
Known or anticipated hazardous decomposition products produced because of storage, use, or heating:	N/A

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: 0 Flammability: 0 Reactivity: 0
Description of symptoms (lowest to most severe):	Mild to Severe Irritation
Is chemical listed in the National Toxicology Program (NTP) Report on Carcinogens:	No
Has chemical been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs:	No
Has chemical been found to be a potential carcinogen by OSHA:	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>	
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.):	N/A
Bioaccumulation test results:	None
Potential of chemical moving from soil to the groundwater:	High due to water solubility
Other adverse effects:	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>	
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:	No
Is it advisable to utilize sewage disposal for this chemical:	No

Section 14: Transport Information (non-mandatory)	
<i>Guidance on classification information for shipping and transporting the chemical by road, air, rail, or sea.</i>	
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): This product does not contain any chemicals listed under the CWC schedules of chemicals.

Clean Air Act - Hazardous Air Pollutants (HAP): This product does not contain any chemicals listed within the Hazardous Air Pollutants **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): This product does not contain any PP listed under the U.S. Clean Water Act, Section 307 (2)(1) PP List (40 CFR 401.15).

Occupational Safety and Health Act (OSHA): The OSHA Hazard Communication Standard (29 CFR 1910.1200) does not define this chemical as hazardous. 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 does not contain any chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification.

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 18, 2013

Revision Date: N/A

Changes from previous version: N/A

Other useful information: None

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any damage or expense.