

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	HYPERDRILL® AF 207RD
<b>Other Means of Identification</b>	Anionic water-soluble polymer
<b>Product Family</b>	Flocculation agent
<b>Recommended Use</b>	Drilling Fluid Additive.
<b>Supplier Identifier</b>	Prairie Mud Service 738 6th Street, Estevan, SK. S4A 1A4 306-634-3411
<b>Emergency Phone No.</b>	CANUTEC, (613) 996-6666, 24/7

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Not classified under any hazard class.

### Label Elements

Not applicable

### Other Hazards

Product is EXTREMELY slippery when wet!

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Anionic water-soluble polymer				

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. If breathing has stopped, trained personnel should begin rescue breathing.

#### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If adverse symptoms develop, seek medical attention.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

#### Ingestion

The product is not considered toxic based on studies on laboratory animals.

#### First-aid Comments

If exposed or concerned, get medical advice or attention.

### Most Important Symptoms and Effects, Acute and Delayed

If inhaled:  
Can irritate the nose and throat.  
If on skin:  
Repeated or prolonged exposure can irritate the skin.  
If in eyes:  
Symptoms include sore, red eyes, and tearing.  
If swallowed:  
Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Specific Hazards Arising from the Product

Spills produce EXTREMELY slippery surfaces.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary.

### Environmental Precautions

Avoid contaminating water.

### Methods and Materials for Containment and Cleaning Up

Do not flush with water. Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for Safe Storage

Keep in a dry, cool place (0 - 35°C).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Appropriate Engineering Controls

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

### Individual Protection Measures

#### Eye/Face Protection

Safety glasses with side shields. Do not wear contact lenses.

#### Skin Protection

Use rubber gloves. No other special protective equipment required.

#### Respiratory Protection

Dust safety masks are recommended where concentration of total dust is more than 10 mg/m<sup>3</sup>.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

#### Appearance

White powder. Particle Size: Not applicable

#### Odour

<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	6 - 8 (0.5% solution)
<b>Melting Point/Freezing Point</b>	Not applicable (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	Not applicable
<b>Solubility</b>	Soluble in water; Not applicable (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not applicable
<b>Viscosity</b>	Not applicable (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Solid
<b>Molecular Formula</b>	Not applicable
<b>Molecular Weight</b>	Not applicable
<b>Bulk Density</b>	700 kg/m <sup>3</sup>
<b>Surface Tension</b>	Not applicable
<b>Critical Temperature</b>	Not applicable
<b>Electrical Conductivity</b>	Not applicable
<b>Vapour Pressure at 50 deg C</b>	Not applicable
<b>Saturated Vapour Concentration</b>	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Normally stable. Hazardous Polymerization will not occur.

### Incompatible Materials

Strong oxidants may cause exothermic reactions.

### Hazardous Decomposition Products

Thermal decomposition may produce CO and NO.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Oral: LD<sub>50</sub> > 5,000 mg/kg (rat)

Dermal: The results of testing on rabbits showed this material to be non-toxic even at high dose levels.

### Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate the skin.

### Serious Eye Damage/Irritation

Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.

Symptoms include sore, red eyes, and tearing.

#### **STOT (Specific Target Organ Toxicity) - Single Exposure**

##### **Inhalation**

Can irritate the nose and throat.

##### **Ingestion**

Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

#### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

A two-year feeding study on rats did not reveal adverse health effects.

A one-year feeding study on dogs did not reveal adverse health effects.

#### **Respiratory and/or Skin Sensitization**

The results of testing on guinea pigs showed this material to be non-sensitizing.

## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

The product is rapidly eliminated from the aquatic medium through reversible adsorption onto suspended matter and dissolved organics.

Fish: LC50/Danio rerio/96 hr > 100 mg/L (OECD 203)

(based on the toxicity of the components using the conventional method)

Algae: IC50/Scenedesmus subspicatus/72 hr >100 mg/L (OECD 201)

(based on the toxicity of the components using the conventional method)

Daphnia: EC50/Daphnia magna/48 hr > 100 mg/L (OECD 202)

(based on the toxicity of the components using the conventional method)

### **Persistence and Degradability**

Does not biodegrade readily.

### **Bioaccumulative Potential**

This product and its degradation products are not known to bioaccumulate.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

In accordance with federal, provincial and local guidelines.

Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local regulations.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

### **Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

### **Safety, Health and Environmental Regulations**

#### **Canada**

##### **WHMIS 1988 Classification**

Not a WHMIS controlled product.

#### **USA**

##### **US OSHA HazCom 1994 Regulatory Status**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200 (1994)).

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Prairie Mud Service

**Phone No.** (306) 634-3411

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**Date of Last Revision** December 29, 2020

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