

# HYPERDRILL® AF247RD

## SECTION 1. IDENTIFICATION

**Product Identifier** HYPERDRILL® AF247RD  
**Other Means of Identification** Anionic water-soluble polymer  
**Product Family** Flocculation agent  
**Recommended Use** Drilling Fluid Additive.  
**Supplier** Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com  
**Emergency Phone No.** ChemTrec, (800) 424-9300, 24/7

## SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**  
 Not classified under any GHS hazard classes.

**GHS Label Elements**  
 Not applicable

**Other Hazards**  
 Product is EXTREMELY slippery when wet!

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
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/attention.

#### Ingestion

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

#### First-aid Comments

If exposed or concerned, get medical advice/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

### Suitable Extinguishing Media

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

### Specific Hazards Arising from the Chemical

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

<b>Appearance</b>	White powder.
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	6 - 8 (0.5% solution)

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**Melting Point/Freezing Point** Not applicable (melting)

**Flash Point** Not applicable

**Evaporation Rate** Not applicable

**Vapour Pressure** Not applicable

**Vapour Density (air = 1)** Not available

**Relative Density (water = 1)** Not available

**Solubility** Soluble in water

#### **Other Information**

**Physical State** Solid

**Bulk Density** 700 kg/m<sup>3</sup> (44 lb/ft<sup>3</sup>)

### **SECTION 10. STABILITY AND REACTIVITY**

#### **Chemical Stability**

Normally stable.

#### **Possibility of Hazardous Reactions**

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**

#### **Toxicity**

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

Fish: LC<sub>50</sub>/Danio rerio/96 hr > 100 mg/L (OECD 203)

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(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**

Rinse empty containers with water and use rinse water to prepare the working solution. Can be landfilled or incinerated when in compliance with local regulations. Dispose of in accordance with federal, provincial/state and local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG Regulations.

**Special Precautions** Not applicable for User

**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 Classification**

Not a WHMIS controlled product.

### **SECTION 16. OTHER INFORMATION**

**NFPA Rating**

**Health - 1    Flammability - 1    Instability - 0**

**Prepared by**

Bri-Chem Supply Ltd

**Phone No.**

(403) 252-5904

**Date of Preparation**

January 21, 2016

**Disclaimer**

This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.