

HYPERDRILL® AF204RD

SECTION 1. IDENTIFICATION

Product Identifier	HYPERDRILL® AF204RD
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/m³.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White powder.
Odour	Odourless
Odour Threshold	Not applicable
pH	6 - 8 (0.5% solution)
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 ³ (44 lb/ft ³)

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: LD₅₀ > 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: 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

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

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