

# HYPERDRILL® AF247RD Safety Data Sheet

Supersedes: December 29, 2020 Revised: May 25, 2021

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HYPERDRILL® AF247RD
Product Identifier Anionic water-soluble polymer

Product Family Flocculation agent
Supplier Prairie Mud Service

738 6th Street, Estevan, SK. S4A 1A4 306-634-3411

**Emergency Contact** 

Information CANUTEC, (613) 996-6666, 24/7

Use Drilling Fluid Additive

# 2. HAZARDS IDENTIFICATION

Emergency Overview White powder. Odourless. Product is EXTREMELY slippery when wet!

**Potential Health Effects** 

**Inhalation** Can irritate the nose and throat.

**Skin Contact**Repeated or prolonged exposure can irritate the skin. **Eye Contact**Symptoms include sore, red eyes, and tearing.

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

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

#### 4. FIRST AID MEASURES

#### **First Aid Procedures**

**Inhalation** Move victim to fresh air. If breathing has stopped, trained personnel should begin artificial

respiration (AR).

**Skin Contact** Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5

minutes. If adverse symptoms develop, seek medical attention.

**Eye Contact** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20

minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.

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

**First Aid Comments** If exposed or concerned, see a doctor for medical advice.

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing** Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. **Media** 

Specific Hazards Arising from the

c Hazards Spills produce EXTREMELY slippery surfaces.

Chemical

#### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions No special precautions are necessary.

**Environmental Precautions** 

Clean-up

Avoid contaminating water.

Methods for Containment and

Do not flush with water. Clean up promptly by scoop or vaacuum. Keep in suitable and closed

containers for disposal. After cleaning, flush away traces with water.

# 7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands

before breaks and at the end of workday.

**Storage** Keep in a dry, cool place (0 - 35°C).

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**Personal Protective Equipment (PPE)** 

**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. **General Hygiene** Wash hands before breaks and immediately after handling the product. Handle in accordance

**Considerations** with good industrial hygiene and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid

Appearance White powder.

Odour
Odourless
Odour Threshold Not applicable
Melting Point Not applicable
Relative Density (water = 1) Not available

Bulk Density 700 kg/m3 (44 lb/ft3)

Solubility in Water Soluble

pH 6 - 8 (0.5% solution)

Vapour Pressure Not applicable

Vapour Density (air = 1) Not available

Evaporation Rate Not applicable

Flash Point Not applicable

# 10. STABILITY AND REACTIVITY

Chemical Stability Normally stable.

Incompatible Strong oxidants m

Materials

Strong oxidants may cause exothermic reactions.

Hazardous Decomposition

Products

Thermal decomposition may produce CO and NO.

Possibility of

Hazardous polymerization will not occur.

**Hazardous Reactions** 

# 11. TOXICOLOGICAL INFORMATION

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.

#### **Eye Irritation/Corrosion**

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.

# Effects of Long-Term (Chronic) 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.

#### 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.

Bioaccumulation / Accumulation

This product and its byproducts are not known to bioaccumulate.

# 13. DISPOSAL CONSIDERATIONS

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.

# 14. TRANSPORT INFORMATION

# **Shipping Information**

Not regulated under Canadian TDG Regulations.

#### Other Transport Information

Special Shipping

Not applicable

Information

# 15. REGULATORY INFORMATION

#### Canada

WHMIS Classification

Not a WHMIS controlled product.

# 16. OTHER INFORMATION

NFPA Rating Health - 1 Flammability - 1 Instability - 0

MSDS Prepared By Prairie Mud Service

# Date of Preparation Disclaimer

May 25, 2021

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