

HYPERDRILL® NF 301**SECTION 1. IDENTIFICATION**

Product Identifier	HYPERDRILL® NF 301
Other Means of Identification	Non-ionic water-soluble polymer
Product Family	Flocculation Agent
Recommended Use	Drilling Fluid Additive.
Supplier Identifier	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. HAZARD IDENTIFICATION**Classification**

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

Aqueous solutions or powders that become wet, render surfaces EXTREMELY slippery.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Non-ionic water-soluble polymer			

SECTION 4. FIRST-AID MEASURES**First-aid Measures****Inhalation**

Remove to fresh air.

Skin Contact

Wash off immediately with soap and plenty of water. In case of skin irritation, consult a physician.

Eye Contact

Rinse thoroughly with plenty of water. In case of persistent eye irritation, consult a physician.

Ingestion

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

Most Important Symptoms and Effects, Acute and Delayed

If on skin:

Repeated or prolonged exposure can irritate the skin.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing Media**

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Suitable Extinguishing Media

Water, water spray, foam, dry powder, carbon dioxide (CO₂).

Specific Hazards Arising from the Product

Aqueous solutions or powders that become wet, render surfaces EXTREMELY slippery.

Special Protective Equipment and Precautions for Fire-fighters

No special protective equipment required.

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

Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product, avoid eye and skin contact and wash hands thoroughly after handling.

Conditions for Safe Storage

Keep in a dry, cool place (0 - 30°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

Rubber gloves are recommended. Chemical-resistant apron or protective suit if splashing or repeated contact with solution is likely.

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 Granules.
Odour	Odourless
pH	7 (0.5% solution)
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Flash Point	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not applicable
Solubility	Not available in water; Not applicable (in other liquids)

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Auto-ignition Temperature	Not applicable
Other Information	
Physical State	Solid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Bulk Density	720 - 800 kg/m ³

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Incompatible Materials

Oxidizing agents may cause exothermic reactions.

Hazardous Decomposition Products

Thermal decomposition may produce carbon oxides and nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Oral Rat: > 5,000 mg/kg

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate the skin.

The results of testing on rabbits showed this material to be non-irritating to the skin and non-toxic even at high dose levels.

Serious Eye Damage/Irritation

May be irritating to eyes.

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.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

The product is not expected to be toxic by inhalation.

Ingestion

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

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.

No information was located for: Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish: LC50/Danio rerio/96 hr > 1000 mg/L (OECD 203)

Algae: EC50/Chlorella vulgaris/72 hr >100 mg/L (OECD 201)

Daphnia: ED50/Daphnia magna/48 hr > 100 mg/L (OECD 202)

Persistence and Degradability

Not readily biodegradable.

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Bioaccumulative Potential

Does not 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.

Special Precautions Not applicable

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

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All components of this product are on the DSL inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation January 27, 2016

Date of Last Revision August 02, 2016

Disclaimer

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