



Prairie Mud Service

Fluid Solutions Thru Experience and Technology

HYPERDRILL® CP 911

Safety Data Sheet

Revision Date: December 29, 2020

Review Date: May 25, 2024

SECTION 1. IDENTIFICATION

Product Identifier HYPERDRILL® CP 911
Other Means of Identification Cationic water-soluble polymer
Product Family Flocculation agent
Recommended Use Drilling Fluid Additive.
Supplier Identifier Prairie Mud Service
738 6th Street, Estevan, SK. S4A 1A4 306-634-3411
Emergency Phone No. CANUTEC, (613) 996-6666, 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

White Powder. Odourless. Product is EXTREMELY slippery when wet!

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Adipic Acid	124-04-9	≤2.5		
SULFAMIC ACID	5329-14-6	≤2.5		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

No hazards which require special first aid measures.

Skin Contact

No hazards which require special first aid measures. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap. Call a Poison Centre or doctor if you feel unwell.

Eye Contact

Rinse thoroughly with plenty of water. If eye irritation persists, consult a physician.

Ingestion

No hazards which require special first aid measures. The product is not considered toxic based on studies on laboratory animals.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water, water spray, foam, dry powder, carbon dioxide.

Specific Hazards Arising from the Product

Extremely slippery when wet!

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

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

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

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. Particle Size: Not available
Odour	Odourless
Odour Threshold	Not available
pH	2.5 - 4.5 (0.5% solution)
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable

Flash Point	Not applicable
Vapour Pressure	Not applicable
Relative Density (water = 1)	Not available
Solubility	Soluble in water; Not available (in other liquids)
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Other Information	
Physical State	Solid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available
Surface Tension	Not applicable
Vapour Pressure at 50 deg C	Not applicable

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 hydrogen chloride gas, nitrogen oxides, carbon dioxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Adipic Acid

LC50 Inhalation Rat(4 h): 7.7 mg/kg

Adipic Acid

LD50 Oral Rat: > 2,000 mg/kg

Sulfamic Acid

LD50 Oral Rat: >2,000 mg/kg

Adipic Acid

LD50 Dermal Rabbit: >2,000 mg/kg

Sulfamic Acid

LD50 Dermal Rat: =2,000 mg/kg

Skin Corrosion/Irritation

The results of testing on rabbits showed this material to be non-irritating to the skin.

Serious Eye Damage/Irritation

Testing conducted according to the Daize technique showed the material produces no corneal or iridial effects and only slightly 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.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

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

The effects of this product on aquatic organisms are rapidly mitigated through hydrolysis and by the presence of dissolved organic carbon in the aquatic environment.

Ecotoxicity

Toxicity to fish: LC50/Danio rerio/96 hours = 5-10 mg/L (OECD 203)

Toxicity to daphnia: EC50/Daphnia magna/48 hours = 20-50 mg/L (OECD 202)

Persistence and Degradability

Readily biodegradable.

At natural pHs (>6) the polymer degrades due to hydrolysis to more than 70% in 28 days. The hydrolysis products are not harmful to aquatic organisms.

Bioaccumulative Potential

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

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, provincial and local government 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

WHMIS 1988 Classification

Not a WHMIS controlled product.

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

All ingredients are listed on the DSL/NDSL.

SECTION 16. OTHER INFORMATION

SDS Prepared By Prairie Mud Service

Phone No. (306) 634-3411

Date of Preparation May 25, 2021

Date of Last Revision December 29, 2020

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. guidance for safe handling, storage, and the use of the substance.