



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **HYPERDRILL CP911**
OTHER MEANS OF IDENTIFICATION: None
RECOMMENDED USE: Drilling fluid additive
RESTRICTIONS ON USE: None known
SUPPLIER IDENTIFIER: **Prairie Mud Service**
738 6th Street
Estevan, SK S4A 1A4
306-634-3411
EMERGENCY PHONE NUMBER: 306-634-3411 (24 hr)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Not hazardous per HPR.
LABEL SYMBOLS: Not applicable
SIGNAL WORD: Not applicable
HAZARD STATEMENTS: Not applicable
CLASSIFICATION INFORMATION: Not applicable
OTHER HAZARDS: Aqueous solutions or powders which become wet render surfaces extremely slippery.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Adipic acid	124-04-9	<=2.5%
Sulfamic acid	5329-14-6	<=2.5%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: If irritation occurs, or when shift ends, wash with soap and water until clean. If irritation develops and persists, obtain medical attention.
EYE CONTACT: Flush eyes with gently flowing warm water until particles are dislodged. If irritation persists, obtain medical attention.
INGESTION: If victim is fully conscious rinse mouth with water. Do NOT induce vomiting. If symptoms develop obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION: Move to area free from dust. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If breathing difficulties or distress continues, obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS: Powder can cause localized skin irritation in folds of the skin or under tight clothing. Contact with dust can cause mechanical irritation or drying of the skin.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, carbon dioxide, chemical or foam.
UNSUITABLE EXTINGUISHING MEDIA: None.

SPECIFIC FIRE HAZARDS:	This product will burn in fire conditions. Fine dust can form an explosive mixture when suspended in air. Aqueous solutions or powders which become wet render surfaces extremely slippery.
HAZARDOUS COMBUSTION PRODUCTS:	Thermal decomposition may produce: oxides of nitrogen, oxides of carbon. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere).
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus and chemical resistant clothing required for firefighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Eliminate ignition sources. Aqueous solutions or powders which become wet render surfaces extremely slippery.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Avoid creating dust clouds. Sweep up or vacuum to collect spilled material. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Flush spill area with copious quantities of water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid generating dust. Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air in which case ignition sources should be avoided. Ensure dust does not accumulate on surfaces. Avoid prolonged or repeated breathing of dust and contact with eyes and skin. Cleanse skin thoroughly after contact, before breaks and meals and at end of work period. Launder contaminated clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area away from ignition sources and oxidizers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	No product information available. Adipic acid: 5mg/m ³ /8 hours; 10 mg/m ³ /15 minutes
ENGINEERING CONTROLS:	Use only with adequate ventilation. If user operations generate dust use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.
PERSONAL PROTECTIVE MEASURES	
RESPIRATORY PROTECTION:	Dust mask sufficient for normal conditions of use.
PROTECTIVE GLOVES:	Rubber or vinyl gloves recommended.
EYE PROTECTION:	Safety glasses with side shields recommended.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Protective clothing as required to prevent contact. Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White granular powder
ODOUR:	Odourless
ODOUR THRESHOLD:	Not available
pH:	2,5 – 4,5 (0.5% solution)
MELTING POINT / FREEZING POINT:	>100°C
BOILING POINT / RANGE:	Not applicable
FLASH POINT:	Not applicable

EVAPORATION RATE:	Not applicable
FLAMMABILITY:	Not available
FLAMMABILITY / EXPLOSIVE LIMITS:	Not expected to create explosive atmospheres
VAPOUR PRESSURE:	Not applicable
VAPOUR DENSITY:	Not applicable
RELATIVE DENSITY:	0.6 – 0.9
SOLUBILITY:	Soluble in water
PARTION COEFFICIENT:	<0
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	>200°C
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not reactive.
CHEMICAL STABILITY:	Stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Oxidizing agents may cause exothermic reactions.
CONDITIONS TO AVOID:	None known.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce hydrogen chloride gas, oxides of carbon, oxides of nitrogen. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (oral, rat) > 5000 mg/kg LD50 (dermal, rat) > 5000 mg/kg
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COMPONENT TOXICITY

COMPONENT	LD50 (oral)	LD50 (dermal)	LC50 (inhalation)
Adipic acid	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	>7.7 mg/L/4hr (rat)
Sulfamic acid	>2000 mg/kg (rat)	2000 mg/kg (rat)	Not available

SKIN CONTACT:	Not irritating
EYE CONTACT:	Causes slight transitory irritation.
INGESTION:	No adverse effects expected.
INHALATION:	May cause irritation of the upper respiratory tract.
CARCINOGENICITY:	Does not contain any carcinogens or potential carcinogens.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	Not toxic for reproduction.
MUTAGENICITY:	Not mutagenic.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	LC50/Danio rerio/96 hr = 5 - 10 mg/L (OECD 203) EC50/Daphnia magna/48 hr = 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:	Does not bioaccumulate.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

SECTION 14: TRANSPORTATION INFORMATION

TDG	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG HAZARDS:	None
BULK TRANSPORT:	Not available
SPECIAL PRECAUTIONS:	None

SECTION 15: REGULATORY INFORMATION

DSL:	Listed
WHMIS CLASS:	Not controlled
TSCA:	Listed

SECTION 16: OTHER INFORMATION

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