

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **HYPERDRILL CP905H**
OTHER MEANS OF IDENTIFICATION: None
RECOMMENDED USE: Drilling fluid additive
RESTRICTIONS ON USE: None known
SUPPLIER IDENTIFIER: **Di-Corp**
8750-53 Ave
Edmonton, AB T6E 5G2
780-440-4923
EMERGENCY PHONE NUMBER: 780-440-4923

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Not hazardous per Part 2 of the HPR.
LABEL SYMBOLS: Not applicable
SIGNAL WORD: Not applicable
CLASSIFICATION INFORMATION: Not applicable
PRECAUTIONARY STATEMENTS: Not applicable
OTHER HAZARDS: Aqueous solutions, or powders that become wet, render surfaces extremely slippery.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Adipic acid	124-04-9	≤2.5% (w/w)
Sulfamic acid	5329-14-6	≤2.5% (w/w)

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and wash affected area thoroughly with water and soap. If irritation occurs, and persists, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water until irritation ceases. Obtain medical attention if irritation persists.

INGESTION: Rinse mouth and give 1 to 2 glasses of water to drink. Induce vomiting, but only if victim is fully conscious. Obtain medical attention. Never give anything by mouth if victim 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: No known acute or chronic health effects are expected as a result of contact with this product.

IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam or water spray.
UNSUITABLE EXTINGUISHING MEDIA: None.
SPECIFIC FIRE HAZARDS: May be combustible at high temperatures. Aqueous solutions, or powders that become wet, render surfaces extremely slippery.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce: Hydrogen chloride; 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 required for fire-fighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear appropriate safety gear including eye and respiratory protection. Eliminate ignition sources. Aqueous solutions, or powders that become wet, render surfaces extremely slippery.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Do not create dust clouds. Collect dry material by sweeping and shoveling. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water once all traces of material are swept up.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes or prolonged skin contact. Use good personal hygiene and housekeeping. Avoid dust formation. Avoid breathing dust. Launder contaminated clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry, well-ventilated place away from incompatible materials and ignition sources.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	EXPOSURE LIMIT
Adipic acid	OEL = 5 mg/m ³ (8 hour); 10 mg/m ³ /15 minutes
Sulfamic acid	Not available

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: Approved dust masks recommended for dust levels below TLV. Use a properly fitted particulate filter respirator complying with an approved standard if airborne concentrations exceeds TLV or if a risk assessment indicates this is necessary.

PROTECTIVE GLOVES: PVC or other plastic material gloves recommended.

EYE PROTECTION: Safety glasses with side-shields.

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 solid
ODOUR:	Odourless
ODOUR THRESHOLD:	Not applicable
pH:	2.5 – 4.5 @ 5 g/L
MELTING POINT / FREEZING POINT:	Not applicable
BOILING POINT / RANGE:	Not applicable
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not applicable

FLAMMABILITY:	Not combustible
FLAMMABILITY / EXPLOSIVE LIMITS:	Not applicable
VAPOUR PRESSURE:	Not applicable
VAPOUR DENSITY:	Not applicable
RELATIVE DENSITY:	0.6 – 0.9
SOLUBILITY:	Soluble in water
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not applicable
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Oxidizing agents may cause exothermic reactions.
CHEMICAL STABILITY:	Stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization does not occur.
CONDITIONS TO AVOID:	None known.
INCOMPATIBLE MATERIALS:	Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce hydrogen chloride gas, oxides of nitrogen and oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (oral, rat) >5000 mg/kg LD50 (dermal, rat) > 5000 mg/kg LC50 (Inhal, rat): Product is not expected to be toxic by inhalation.
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COMPONENT TOXICITY

INGREDIENT	LD50 (oral)	LD50 (dermal)	LC50 (inhal)
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:	Non-irritating to intact skin. Minor irritation may occur on abraded skin.
EYE CONTACT:	Dust and concentrated solutions may cause mild eye irritation.
INGESTION:	No effects expected from ingestion of small quantities.
INHALATION:	Dust may cause irritation including coughing and sneezing.
CARCINOGENICITY:	Not listed by NTP, IARC, OSHA or ACGIH.
TERATOGENICITY:	No evidence of teratogenicity.
REPRODUCTIVE TOXICITY:	No evidence of reproductive toxicity.
MUTAGENICITY:	Not mutagenic.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	None.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	LC50/Danio rerio/96h = 10 – 100 mg/L (OECD 203) EC50/Daphnia magna/48hr >50 mg/L (OECD 202)
PERSISTENCE AND DEGRADABILITY:	Readily biodegradable.
BIOACCUMULATIVE POTENTIAL:	Not expected to bioaccumulate.

MOBILITY IN SOIL: Not available.
OTHER ADVERSE EFFECTS: None know.

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 Not regulated
UN NUMBER: Not applicable
PROPER SHIPPING NAME: Not applicable
CLASS: Not applicable
PACKING GROUP: Not applicable
IMDG HAZARDS: Not a marine pollutant
BULK TRANSPORT: Not regulated
SPECIAL PRECAUTIONS: None

SECTION 15: REGULATORY INFORMATION

DSL: Listed
WHMIS CLASS: None
TSCA: Listed

SECTION 16: OTHER INFORMATION

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