



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

HYPERDRILL CP900 SERIES (Includes CP 905, CP 910, CP 911)

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: HYPERDRILL CP900
Chemical Family: Cationic polyacrylamide
WHMIS Classification: Not Controlled
Workplace Hazard: Treat as nuisance dust

Product Use: Viscosifier
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
Contains no WHMIS controlled products				

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: Particles may cause mechanical irritation to the eyes. Exposure to high levels of dust may cause upper respiratory tract irritation including coughing and sneezing. No effects expected if ingested (LD₅₀ Oral-Rat > 500 mg/kg)

Effects of chronic exposure: Prolonged or repeated exposure may cause skin irritation in some people.

Exposure limits: Not determined

Irritancy of product: Prolonged or repeated exposure may cause skin irritation in some people.

Sensitization to product: None anticipated

Carcinogenicity: No information available

Reproductive toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Name of toxicological synergistic products: No information available



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SECTION IV: FIRST AID MEASURES

Skin contact: Flush thoroughly with water. If irritation develops, or persists, consult a physician.

Eye contact: Flush with gently flowing warm water until irritation ceases. Hold eyelids open and roll eyeball to dislodge particles. If irritation persists obtain medical attention.

Inhalation: Move patient to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

Ingestion: Do not induce vomiting. If patient is fully conscious give 2 to 4 glasses of water. If symptoms develop seek medical attention. Never give anything by mouth to an unconscious or convulsing victim.

SECTION V: PHYSICAL DATA

Physical state: Granular solid.

Appearance and odour: White granular powder; odourless

Odour threshold: Not applicable

Specific gravity: Not available

Vapor pressure (mmHG): Not applicable

Vapor density (Air=1): Not applicable

Evaporation rate: Not applicable

Boiling point (°C): Not available

Freeze/Melting point (°C): Not available

pH: 2.5 – 4.5 (0.5% solution)

Co-efficient of water/oil distribution: Not available



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Not applicable

Means of extinguishing: Use dry chemical, CO₂, foam or water spray. This material becomes very slippery when wet; avoid use of water as fire fighting media if possible.

Flash point: Not applicable

Upper flammable limit: Not applicable

Lower flammable limit: Not applicable

Auto-ignition temperature: Not applicable

Hazardous combustion products: Not applicable

Unusual Fire and Explosion Hazards: As with most organic powders, flammable dust clouds may be formed in air. Avoid creating dust. Avoid sources of ignition.

Explosion data-sensitivity to mechanical impact: Not applicable

Explosion data-sensitivity to static discharge: Not applicable

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Product is stable, no hazardous polymerization will occur.

Product incompatible with: Oxidizing agents may cause exothermic reactions. Avoid high temperatures, open flames, sparks and all other sources of ignition.

Conditions of reactivity: Not available

Hazardous decomposition products: Thermal decomposition may produce: oxides of carbon and oxides of nitrogen.



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Use dust mask if handling in bulk to prevent inhalation of airborne particles. Leather gloves recommended. Safety glasses with side shields recommended. Do not wear contact lenses. Use other protective equipment as necessary to prevent contact. Ensure eye-wash station and emergency shower are available.

Specific engineering controls: If high dusting occurs, use process enclosure, local exhaust ventilation or other engineering controls to reduce occupational exposure.

Procedures for leak/spills: Use appropriate safety equipment. Do not flush with water. Clean up by shovel or vacuum. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. After cleaning; wash spill area thoroughly with bleach solution. Avoid creating dust clouds when cleaning up spilled material.

Waste disposal: Dispose 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.

Handling procedures and equipment: Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by washing thoroughly with soap and water.

Storage requirements: Store in a cool, dry area away from ignition sources. When stored under these conditions, the product has a shelf life of at least one year. Storage of solutions in stainless steel, plastic or epoxy-lined tanks are recommended. Iron, aluminum or copper are to be avoided in both storage and feeding equipment.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: December 5, 2008

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.