



# MATERIAL SAFETY DATA SHEET

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## HYPERDRILL 247 RD

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** HYPERDRILL 247 RD  
**Chemical Family:** Anionic water soluble polymer  
**WHMIS Classification:** Not controlled  
**Workplace Hazard:** Treat as a 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 <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
Contains no WHMIS controlled ingredients				

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** Mechanical irritation to the eyes may occur. Animal tests showed this material to be non-irritating and non-toxic from skin contact. No adverse effects expected if ingested. LD50 (oral, rat) >5000mg/kg. High dust concentration may cause slight irritation of the upper respiratory tract.

**Effects of chronic exposure:** No information available

**Exposure limits:** Not available

**Irritancy of product:** Mechanical irritation to the eyes may occur. High dust concentration may cause slight irritation of the upper respiratory tract.

**Sensitization to product:** No information available

**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



## SECTION IV: FIRST AID MEASURES

**Skin contact:** Wash contaminated area with soap and water. If irritation persists consult a physician.

**Eye contact:** Flush with gently flowing warm water until particle(s) are removed. If irritation persists, consult a physician.

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

**Ingestion:** If victim is fully conscious give 2 to 4 glasses of water to dilute material. If symptoms develop obtain medical attention. Never give anything by mouth to an unconscious or convulsing victim.

## SECTION V: PHYSICAL DATA

**Physical state:** Granular powder

**Appearance and odour:** White, no odour.

**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 (%):** 6.0 – 8.0 (0.5% solution)

**Co-efficient of water/oil distribution:** Not available



## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** Not flammable

**Means of extinguishing:** Use media suitable for surrounding material and packaging. Avoid using water as material becomes extremely slippery when wet.

**Flash point:** Not applicable

**Upper flammable limit:** Not applicable

**Lower flammable limit:** Not applicable

**Auto-ignition temperature:** Not applicable

**Hazardous combustion products:** Not applicable

**Explosion data-sensitivity to mechanical impact:** Not applicable

**Explosion data-sensitivity to static discharge:** Not applicable

**Unusual fire and explosion hazards:** As with most organic powders, flammable dust clouds may be formed in air.

## SECTION VII: REACTIVITY DATA

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

**Product incompatible with:** Oxidizing agents may cause exothermic reactions.

**Conditions of reactivity:** Avoid high temperatures, open flames, sparks and all other sources of ignition

**Hazardous decomposition products:** Thermal decomposition may produce: carbon oxides and nitrogen oxides



## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** Recommend NIOSH/MESA approved dust mask. Use gloves to avoid prolonged or repeated skin contact. Use splash goggles when eye contact may occur. As necessary to prevent contact. Ensure eye wash station and emergency shower available.

**Specific engineering controls:** General mechanical is sufficient for normal conditions of use. If TLV is exceeded use process enclosure, local exhaust ventilation or other engineering controls. TLV = 15mg/m<sup>3</sup>.

**Procedures for leak/spills:** Do not flush with water. Sweep up or vacuum, dry material. After cleaning, flush spill area with water. Avoid generation of dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Spills of dilute solutions may be flushed with copious amounts of water, or alternatively, they may be absorbed with an inert material such as earth or speedi-dry and contained for disposal. The product or its solutions should not be allowed to enter waterways without treatment.

**Waste disposal:** Product should be disposed of in accordance with applicable 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:** 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. 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.

**Storage requirements:** Store in a cool, dry area.

**Special shipping information:** Not applicable

## SECTION IX: PREPARATION

**Date updated:** May, 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.