



## Poly-Drill Drilling Systems

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**poly-drill.com**



# MATERIAL SAFETY DATA SHEET/FICHE SIGNALÉTIQUE

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## 1. PRODUCT IDENTIFICATION

PRODUCT TRADE NAME(S): Poly Drill PureVis.

WHMIS CLASSIFICATION: Non-regulated

TDG Classification: Non dangerous goods

DATE: December 7, 2005

A liquid polymer containing guar gum, mineral oil, vegetable oil, acrylamide copolymer and a surfactant: Evaluation of the ingredient(s) has found no ingredient(s) hazardous as per WHMIS regulations.

## 2. PHYSICAL DATA

Boiling Point: Not available

Specific Gravity: Not available

Solubility in Water: disperses in water (forms viscous, slippery solution).

pH: 6.3

Density (g/ml): Not available

Physical State: Liquid

Appearance and Odor: Yellow Liquid. Odor slight.

## 3. FIRE AND EXPLOSION DATA

Flash Point: Not Applicable.

Conditions of flammability: Very low risk.

Hazardous combustion products: None known.

Upper and Lower flammable limits: Not available.

Extinguishing media: Carbon dioxide, dry chemicals, foam, in preference to water spray

## 4. REACTIVITY

Chemical stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Incompatible substances: Avoid strong oxidants such as liquid chlorine, concentrated oxygen, sodium or calcium hypo chloride.

Hazardous decomposition products: COx, on combustion

## 5. HEALTH HAZARD DATA

TOXICITY RATING: Practically non-harmful.

Routes of Exposure and Effects:

SKIN: Slight irritant: prolonged contact may cause skin irritation or dermatitis in some individuals

EYE: Direct contact may cause mild transient irritation

INHALATION: Due to low volatility of mineral distillates a small inhalation hazard exists.

INGESTION: can cause nausea, vomiting, cramps, diarrhea

Chronic exposure limits: Not Determined

Sensitization of product: Not suspected to be a sensitizer.

Teratogenicity: Not Determined

Mutagenicity: Not Determined

Carcinogenicity: None of the components of this product are listed as carcinogens by IARC and ACGIH

## 6. EMERGENCY AND FIRST AID PROCEDURES

SKIN: Wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. If irritation or abnormalities persist, call a physician.

EYE: Immediately flush eyes with water for 15 minutes, lifting upper and lower lids occasionally. Get medical attention if irritation develops or persists.

INHALATION: Remove to fresh air. If breathing becomes difficult, give oxygen, perform CPR, if necessary. Seek medical attention.

INGESTION: Do not induce vomiting: Call a physician immediately or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice. Do not leave affected person unattended.

## 8. INDUSTRIAL HYGIENE CONTROL MEASURES

SAFETY GLASSES AND CHEMICALLY RESISTANT GLOVES ARE RECOMMENDED BUT NOT REQUIRED

Ventilation: If mist and/or vapors are present, use air purifying respirator or self-contained breathing apparatus, but this is rarely required.

## 7. HANDLING AND USE PRECTIONS

Storage requirements: keep container closed when not in use. Store in a cool dry location away from oxidizing and reducing agents.

Waste Disposal: product should be disposed of in accordance with applicable local, provincial and Federal regulations.

STEPS MUST BE TAKEN IF PRODUCT IS RELEASED OR SPILLED: CLEAN SPILL AREAS THOROUGHLY TO AVOID HAZARDOUS SLIPPERY CONDITIONS.

## 8. TOXICOLOGICAL PROPERTIES

Microtox Analysis prepared by HydroQual Laboratories, Calgary, AB--2005/08/16 Test#20053317:

Test Description	EC20	EC50	Pass/Fail
MTX-Threshold	0.029 L/m <sup>3</sup> (0.011-0.076)	0.35 L/m <sup>3</sup> (0.26-0.47)	Not applicable
MTX-Confirmation @0.32 L/m <sup>3</sup>	6.7% (3.7-12)	88% (57-136)	PASS

## **9. DEPARTMENT OF TRANSPORTATION INFORMATION**

ALL TRANSPORTATION MODES: PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Shipping Name: Liquid Drilling Additive

Hazard Class: Not hazardous

Hazardous Substances: None

Cautionary Labeling: None required

## **10. OTHER INFORMATION**

THIS INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED IS MADE.