



Product Information

Nunavut Water
Board

MAY 16 2005

Public Registry

15640 Mountainview Dr., White Rock, BC V4P 2W9 • Tel: (604) 535-6699 Fax: (604) 535-5493

Extreme Number One

Granular Drilling Mud Polymer

Description

Ultra High Grade, Anionic, Acrylamide Copolymer in the form of a free flowing coarse white powder.

Principle Use

The Number One choice for demanding hole conditions when Bentonite is unavailable or unwanted. A one product drilling fluid. Excellent for winter. Product does not freeze in container. Economical. Ultra High Grade means less product required on jobs and less product to fly into remote sites. Lifts cuttings and stabilizes the hole. Reduces torque and drag in the hole. Greatly reduces swelling of clays and shales. Can be used to make stiff foam for air drilling. Environment Friendly. Extremely Effective.

Mixing

Add a small amount of Extreme Number One to water in the mixing tank. Sprinkle slowly into turbulent water when mixer is on high. Increase the quantity added of Extreme Number One if hole conditions are difficult. For fast mixing, add Extreme Number One to a small amount of vegetable oil first and then pour quickly into turbulent water.

Packaging

Extreme Number One comes in 5 gallon, high impact plastic pails with a snap-on lid. 24 pails per pallet.

MATERIAL SAFETY DATA SHEET



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WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 0
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME:
CHEMICAL IDENTIFICATION
MATERIAL USE:
WHMIS CLASSIFICATION:
WORK PLACE HAZARD:

EXTREME NUMBER ONE
Acrylamide, Acrylate Copolymer
Drilling Fluid Additive
Not Regulated
Not Applicable

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION:
PACKAGE GROUP:
CAS NUMBER:
MSDS CODE:

Not Dangerous Goods
Not Applicable
Not Applicable
Not Applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT:
PERCENTAGE:
CAS NUMBER:
LD (50):
LC (50):

None Considered Hazardous
Not Available
Not Available
Not Available
Not Available

EXTREME NUMBER ONE

MATERIAL SAFETY DATA SHEET

SECTION 3PHYSICAL DATA

APPEARANCE AND ODOUR	Slight, mild odour, white, granular solid
DENSITY (SPECIFIC GRAVITY):	.80
BOILING POINT:	Not Available
MELTING POINT:	Not Available
SOLUBILITY:	Soluble
EVAPORATION RATE: (EE=1):	Not Available
VAPOUR PRESSURE: (MM HG):	Not Available
VAPOUR DENSITY: (AIR = 1):	Not Available

SECTION 4FIRE AND EXPLOSION

FLASHPOINT:	Not Applicable
FLAMMABLE LIMIT:	Not Available
AUTO IGNITION TEMP:	No Data
EXTINGUISHING MEDIA	Dry Chemical, Carbon Dioxide, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Self-Contained Respirators For Fire Fighting Personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Products of incomplete combustion and oxides of nitrogen and carbon.

SECTION 5REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents and highly alkaline solutions
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	None

MATERIAL SAFETY DATA SHEET

EXTREME NUMBER ON

SECTION 6

HEALTH HAZARDS

ROUTE OF ENTRY:

(X) SKIN

(X) EYE CONTACT

(X) INHALATION

(X) INGESTION

SKIN CONTACT:

May be minimally irritating to sensitive skin upon prolonged direct contact.

EYE CONTACT:

May be minimally irritating to eyes upon direct contact.

INHALATION:

May cause irritation to nose and throat.

SECTION 7

PREVENTATIVE MEASURES

SKIN PROTECTION:

Impervious gloves, protective clothing as required
Goggles.

EYE PROTECTION:

General mechanical; 10 changes per hour.

VENTILATION:

Approved dust mask; MESA type

RESPIRATORY PROTECTION

Ventilate area, wear rubber boots, gloves and a self-contained respirator if ventilation inadequate.

LEAK & SPILL PROCEDURE.

Collect into waste container. wash site after pick up. Water solutions extremely slippery.

WASTE DISPOSAL

Dispose in compliance with government regulations and local requirements.

STORAGE REQUIREMENTS.

Cool, dry area, away from oxidizing and reducing agents. Keep containers closed when not in use. Avoid prolonged contact when handling. Do not inhale dust.

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SECTION 8FIRST AID MEASURES

SKIN:

Wash thoroughly with soap and warm water

EYE:

Flush with water for at least 15 minutes. Seek medical attention.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

INGESTION:

Do not induce vomiting. If conscious, dilute by giving two glasses of water. Seek medical attention.

SECTION 9PREPARATION DATE

DATE ISSUED:

AUGUST 20, 1996

BY

PRODUCT SAFETY COMMITTEE

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DATE REVISED:

MATERIAL SAFETY DATA SHEET

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ADDENDUM

SECTION 10

ECOLOGICAL INFORMATION

ACUTE TOXICITY:

- Oral:
- Dermal:
- Inhalation:

LD50/oral/rat > 5000 mg/kg

The results of lab testing showed this material to be non-toxic even at high dose levels.

The product is not expected to be toxic by inhalation.

IRRITATION:

- Skin:
- Eyes:

The results of lab testing showed this material to be non-irritating to the skin.

Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have no conjunctivae.

SENSITIZATION:

The results of lab testing showed this material to be non-sensitizing.

CHRONIC TOXICITY:

The results of extensive lab testing did not reveal adverse health effects.

ECOTOXICITY

- Fish:
- Algae:

LC50 / Fathead minnows / 96 hours > 1000 mg/l

EC50 / Selenastrum capricornutum > 96 hours > 500 mg/l

Bioaccumulation:

The product is not expected to bioaccumulate.

Persistence / degradability:

Not readily biodegradable.